

USS DOLPHIN (AGSS555)  
FLEET POST OFFICE  
SAN FRANCISCO, CALIFORNIA  
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Ser 40  
8 February 1973

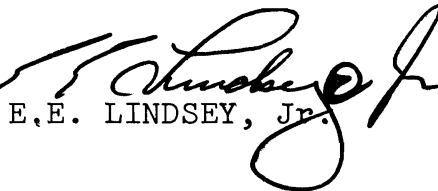
From: Commanding Officer, USS DOLPHIN (AGSS 555)  
To: Director of Naval History (OP09B9), Washington Navy  
Yard, Washington, D.C. 20390  
Submarine Historical Facility, Building 584, Naval  
Submarine Base, Pearl Harbor, HI.

Subj: Command History of USS DOLPHIN (AGSS 555) for 1972

Ref: (a) OPNAVINST 5750.12 series

Encl: (1) Narrative of Ship's History for 1972  
(2) Chronology of outstanding events (1972)  
(3) Recent photograph of the ship  
(4) Muster roll ~~and~~ roster of officers

1. In compliance with reference (a), enclosures (1) through  
(4) are forwarded herewith.

  
E.E. LINDSEY, Jr.

## NARRATIVE OF SHIP'S HISTORY FOR 1972

During January to March 1972 DOLPHIN conducted sea trials of her reinstalled developmental sonar system and other electronics in conjunction with Naval Underseas Center (NUC) in the San Diego area.

In April she conducted two weeks of hydronamic trials for the Naval Ship's Research and Development Center to test the effects that pitch angles and speed had on flow separation points using her unique hull design. Two drydockings were necessary to install and remove the special equipment used for these trials. The data obtained from these trials proved to be of great value.

In May DOLPHIN went to Long Beach for 3 days to have her sonar calibrated at the Sensor Accuracy Check Site by NELC personnel. The remainder of the month was spent in upkeep. Operations in June and July consisted of a final at sea calibration of NUC equipment and an underway test of an Acoustic Range Prediction System (ARPS) under development for use in submarines. These operations, conducted using Scripps Oceanographic Research Barge (ORB) were similar to the SHARPS and ASRAP system presently in existence for surface units and aircraft.

The month of August was spent in upkeep. On 8 September, Commander J.R. SEESHOLTZ was relieved by Commander E.E. LINDSEY, Jr. as Commanding Officer. Commander LINDSEY returned to DOLPHIN having previously served as the first Executive Officer.

On 15 September, CNO, Admiral ZUMWALT paid his first visit to the world's deepest diving submarine. During his 7 minutes and 42 seconds aboard, he toured the ship and seemed to enjoy a special, 4 star "Z" flag which was flying for the occasion.

From 18-26 September, the ship again operated with ORB conducting the final at sea tests of the ARPS. Upon return from sea, the installation of a deep experimental towed array system was begun by NUC. The ship was drydocked at Campbell Industries, San Diego during the period 10-14 October for work associated with the towed array installation.

On 6 November, DOLPHIN went to sea for the initial trials of the towed array system. While returning to port on 7 November, she rescued two fishermen who had swamped their boat and were adrift over 2 miles from land. The two men, sailors stationed at NAS, Imperial Beach, were brought aboard after having been in the water for over an hour. The Coast Guard was called to tow the swamped boat back to

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port while DOLPHIN gained two more devotees to the "Silent Service".

The remainder of the month of November and 2 weeks in December were spent in conducting more extensive evaluations of the towed array system.

CHRONOLOGY OF OUTSTANDING EVENTS  
1972

|               |   |
|---------------|---|
| 1 JAN-30 MAR  | Local operations San Diego area and upkeep.   |
| 1-30 APR      | Drydockings at National Steel Shipbuilding Company and hydrodynamic trials for NSRDC. |
| 9-11 MAY      | In-port LONG BEACH at Sensor Accuracy Check Site.                                     |
| 15 MAY-31 AUG | Local operations San Diego area and upkeep.   |
| 8 SEPTEMBER   | Change of Command. CDR J.R. SEESHOLTZ was relieved by CDR E.E. LINDSEY, Jr.           |
| 15 SEPTEMBER  | Chief of Naval Operations, Admiral ZUMWALT, visited DOLPHIN.                          |
| 27 SEP-5 NOV  | Installation of experimental, deep, towed array sonar system.                         |
| 6 NOV-30 NOV  | Local operations to evaluate towed array system.                                      |
| 7 NOVEMBER    | Rescued two fisherman who had swamped their boat at sea.                              |
| 11-20 DEC     | At sea propagation loss measurements with towed array system.                         |

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