



USS DOLPHIN (AGSS 555)
FLEET POST OFFICE
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From: Commanding Officer, USS DOLPHIN (AGSS-555)
To: Director of Naval History (OP-09BH), Washington Navy Yard,
Washington, DC 20374

Subj: Command History of USS DOLPHIN (AGSS-555) for 1980; submission of

Ref: (a) OPNAVINST 5750.12C
(b) COMSUBPACINST 5400.7B

Encl: (1) Ship's Historical Narrative
(2) Crew Roster

1. In accordance with references (a) and (b) enclosures (1) and (2) are submitted.
2. An updated photograph of the ship is not available for inclusion with this year's history submission. Photographs submitted in 1978 remain valid.


W. A. CLARKE

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COMSUBDEVGRU ONE

SHIP'S HISTORICAL NARRATIVE

During a sonar research operation in January the number two main engine failed in a manner which required replacement of the block. Prior to accomplishing the engine replacement a long planned upgrade of the Radio Room was accomplished. In February, DOLPHIN departed the realm of CW communications with the installation of on line cryptographic capabilities. The ORESTES and NESTOR systems were installed and the ship opened its first CMS account.

During March and April DOLPHIN was at Mare Island Naval Shipyard. A patch was cut in the hull in the forward port corner of the Engine Room through which the number two main engine was replaced. At the same time the lead acid battery was replaced by a 4000 amp hour capacity silver zinc battery.

DOLPHIN returned to San Diego in May and resumed operations in the Southern California Operating Areas. Operations were conducted to evaluate the effects of deep submergence on sonar hydrophones built for conventional submergence depths.

A computer controlled plotter system which replaced the conventional Dead Reckoning Analyzer Indicator was installed and evaluated. Further development of the plotter, known as HUGO, continued throughout the year.

On 24 July DOLPHIN departed San Diego in transit to Astoria, Oregon. Following replenishment and installation of test equipment while in Astoria DOLPHIN conducted a sonar research operation in company with USNS De Steiguer off the Oregon coast. DOLPHIN returned to Astoria for replenishment and to participate in the annual Regatta celebration. The ship returned to San Diego on 31 August.

In September another sonar research operation was conducted with the De Steiguer and the IX-506. During that operation the DOLPHIN's Hospital Corpsman provided medical treatment to an ill crewmember on the IX-506 over the radio. A transfer of medications was conducted between the ships which resulted in the recovery of the patient.

In November DOLPHIN participated in the Standard Kayak Test at San Clemente Island. The sonar and wake turbulence studies were very successful.

In December the DOLPHIN conducted a search for a downed Air Launched Cruise Missile about 15 miles west of San Miguel Island. The search was successful.

On 30 December 1980 CDR Daniel L. Wojtkowiak was relieved as commanding officer by CDR Wayne A. Clarke.

Enclosure (1)