



DEPARTMENT OF THE NAVY

USS PHILADELPHIA (SSN 690)
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From: Commanding Officer, USS PHILADELPHIA (SSN 690)
To: Director of Naval History, (ATTN: OP-09BH),
Washington Navy Yard, Washington, DC 20374-0571

Subj: COMMAND HISTORY FOR CALENDER YEARS 1986, 1987, 1988

Ref: (a) OPNAVINST 5750.12D
(b) CNO ltr 5757 Ser 09BH/SH/3192 dtd 7 Dec 87

Encl: (1) Command History for 1986
(2) Command History for 1987
(3) Command History for 1988

1. In accordance with references (a) and (b), USS PHILADELPHIA Command History for calender years 1986, 1987 and 1988 are forwarded.


JOHN J. PAULSON

USS PHILADELPHIA (SSN 690)
1986 COMMAND HISTORY

PART A: COMMAND COMPOSITION AND ORGANIZATION

Ship: USS PHILADELPHIA (SSN 690)
Commissioning Date: 25 June 1977
Commanding Officer: CDR Thomas L. Parry
(as of 1 Jan 1986)
Mission: To sink enemy ships, primarily submarines.
Parent Squadron: Submarine Development Squadron TWELVE,
Groton, Connecticut.
Homeport: Naval Submarine Base New London, Groton,
Connecticut.

PART B: CHRONOLOGY

1 Jan - 3 Jan: Moored at Portsmouth Naval Shipyard,
Kittery, Maine preparing for underway for
completion of post-overhaul sea trials.
4 Jan - 10 Jan: Completed post-overhaul sea trials in Boston
Operating Areas.
11 Jan-19 Jan: Inport Portsmouth Naval Shipyard for final
repairs after sea trials.
20 Jan- 21 Jan: Transitted to Submarine Base, New London.
Used the transit to have an overnight
father/son dependents cruise.
22 Jan - 17 Feb: Inport New London for upkeep.
18 Feb - 21 Feb: Departed New London for St. Croix, Virgin
Islands for a WSAT (Weapons System
Acceptance Test). Conducted weapons
certification operations around Roosevelt
Roads and St. Croix.
22 Feb - 24 Feb: Moored St. Croix for liberty call.
25 Feb: Transit to Roosevelt Roads, Puerto Rico for
more post-overhaul weapons certification.
26 Feb - 1 Mar: Moored Roosevelt Roads.
2 Mar: Transit to St. Croix.
3 Mar - 6 Mar: Conducted weapons certification operations
during the day in the exercise area at St.
Croix and pulled in for liberty at night.

Enclosure (1)

USS PHILADELPHIA (SSN 690)
1986 COMMAND HISTORY

7 Mar - 9 Mar: Underway St. Croix, enroute to Port Canaveral, Florida to load exercise weapons.

10 - 13 Mar: In port at Port Canaveral to load Mk 48 exercise weapons and for liberty call.

14 Mar -21 Mar: Transit to AUTECH Underwater Range and final certification exercises for Mk 48 torpedo firing.

22 Mar - 24 Mar: Enroute to New London for upkeep

25 Mar - 14 Apr: Upkeep in New London.

14 - 18 Apr: Underway for independent ship operations and Operational Reactor Safeguards Examination. Ship received an overall grade of average.

19 Apr - 4 May: Inport New London for upkeep.

5 May - 15 May: Underway for independent ship exercises.

16 May - 29 May: Inport New London for upkeep.

30 May - 14 Jun: Underway from New London, enroute to AUTECH Underwater Range for final certification for Harpoon and Tomahawk missile capability.

15 Jun - 17 Jun: Transit back to New London.

18 Jun - 23 Jun: Underway for INSURV inspection.

24 Jun - 13 Jul: Upkeep in New London.

14 - 18 Jul: Underway for independent ship exercises.

19 - 20 Jul: Inport New London for the weekend.

21 Jul - 1 Aug: Independent ship exercises.

2 Aug - 26 Aug: Pre-Overseas Movement (POM) upkeep, New London.

27 Aug - 2 Sep: Exercises on FORACS range, calibrating AN/BRD-7.

3 Sep - 16 Sep: Inport New London for upkeep and change of command.

USS PHILADELPHIA (SSN 690)
1986 COMMAND HISTORY

5 Sep: Commander John J. Paulson relieved Captain Thomas L. Parry, Jr. as Commanding Officer, USS PHILADELPHIA.

17 - 18 Sep: Underway from New London enroute to Earle, New Jersey to load Tomahawk missiles.

19 - 20 Sep: Loaded Tomahawk missiles at Naval Weapons Station, Earle.

21 Sep: Transit back to New London.

22 Sep - 29 Sep: Inport New London for upkeep.

30 Sep - 3 Oct: Pre-overseas Movement certification.

4 Oct - 7 Oct: Inport New London.

8 Oct - 22 Oct: Underway for six month deployment to the Mediterranean Sea. Performed a personnel transfer in Rota, Spain to bring Sixth Fleet briefing team aboard.

23 Oct: Inport, La Maddalena, Sardinia to load Tomahawk missiles.

24 Oct - 8 Nov: Anti-submarine warfare (ASW) operations in the Mediterranean.

9 - 14 Nov: Liberty call in Toulon, France.

15 Nov - 21 Dec: ASW operations in the Mediterranean.

22 Dec: Performed a personnel transfer to bring Commander Submarine Group Eight, Admiral Roger Bacon, aboard.

23 Dec - 31 Dec: Moored La Maddalena, Italy for upkeep.

USS PHILADELPHIA (SSN 690)
1986 COMMAND HISTORY

PART C: NARRATIVE

1. USS PHILADELPHIA finished a regular overhaul in December of 1985. During the overhaul, the following major modifications were made:

CCS Mark I fire control system was installed.

BQQ-5C sonar suite was installed, replacing the BQQ-5B.

Towed array retrieval system was installed for the TB-16 towed array

ESGN Navigation System was installed, replacing SINS.

A new propeller was installed on the shaft.

OTCIXS was installed allowing over-the-horizon targeting.

2. Most of 1986 was spent making preparations for the deployment to the Mediterranean. This included several trips to the underwater ranges at St. Croix and at AUTECH. On these ranges, PHILADELPHIA conducted extensive sound trials along with weapon certification and weapon system certification. The ship had to prove that it could successfully launch all weapons carried, including the Mk 48 torpedo, the Harpoon anti-ship missile, and the Tomahawk cruise missile.

3. Also done during the year was an operational reactor safeguards exam (ORSE) to ensure that the propulsion plant was being operated safely. An INSURV inspection in June inspected the material readiness of the ship.

USS PHILADELPHIA (SSN 690)
1987 COMMAND HISTORY

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Parent Squadron: Submarine Development Squadron TWELVE,
 Groton, Connecticut.
Homeport: Naval Submarine Base New London, Groton,
 Connecticut.

PART B: CHRONOLOGY

1 - 11 Jan: Inport La Maddalena, Sardinia, Italy for
 upkeep.

12 Jan - 8 Feb: Completed post-upkeep sea trials and
 commenced Anti-Submarine Warfare (ASW)
 operations in the Mediterranean. This also
 included exercise National Week 87 with 3
 carrier battle groups.

9 - 21 Feb: Moored La Maddalena for upkeep.

22 - 24 Feb: Post upkeep sea trials.

25 Feb: Underway from La Maddalena, enroute New
 London

26 Feb - 10 Mar: Transit to New London.

11 Mar - 19 Apr: Standdown and upkeep, inport New London.

20 - 24 Apr: Independent ship's exercises

25 Apr - 11 May: Upkeep in New London.

12 - 17 May: Transit to Cape Canaveral, Florida to load
 exercise weapons.

18 May: Departed Cape Canaveral, enroute AUTEK
 Underwater Range for Prospective Commanding
 Officer (PCO) operations.

19 - 25 May: PCO operations on AUTEK Underwater Range.

26 May - 3 Jun: Daily operations with midshipmen in and out
 of AUTEK.

Enclosure (2)

USS PHILADELPHIA (SSN 690)
1987 COMMAND HISTORY

4 - 9 Jun: Moored Port Canaveral for liberty call.

10 - 20 Jun: Target services at AUTECH Underwater Range.

21 - 23 Jun: Transit to New London.

23 Jun - 16 Jul: Upkeep in New London.

9 Jul - 10 Jul: Defense Nuclear Surety Inspection with an Augmenting Nuclear Technical Proficiency Inspection. Overall Grade: Satisfactory with all areas Excellent or Outstanding.

17 - 20 Jul: Underway for Mk 48 certification and Consolidated ASW Readiness Test (CART)

21 Jul: Moored New London.

22 - 30 Jul: Underway for Operational Reactor Safeguards Exam (ORSE). Overall grade on ORSE: Average.

31 Jul - 4 Aug: Inport New London.

5 - 7 Aug: Underway from New London, enroute Port Everglades, Florida.

8 - 9 Aug: Moored Port Everglades.

10 - 16 Aug: Underway to AUTECH underwater range to perform exercise services for numerous surface ships and ASW planes.

17 - 18 Aug: Transit to Earle, New Jersey.

19 - 20 Aug: Moored, Naval Weapons Station, Earle to offload Tomahawk missiles.

21 Aug - 30 Sep: Inport New London for upkeep.

1 Oct: Underway from New London for exercise Agile Player.

2 - 3 Oct: Transit to Earle, New Jersey.

4 - 5 Oct: Moored, Naval Weapons Station, Earle, to load Tomahawk missiles.

6 - 12 Oct: Inport New London.

USS PHILADELPHIA (SSN 690)
1987 COMMAND HISTORY

- 13 - 21 Oct: Underway, enroute AUTECH Underwater Range to conduct sound trials and exercise torpedo shots.
- 22 - 25 Oct: Inport New London.
- 26 - 28 Oct: Underway for independent ship's exercises with Commander Submarine Force Atlantic, Admiral Cooper, embarked.
- 29 Oct - 17 Dec: Inport New London due to excessively high operational tempo and to repair watertight hatches.
- 18 - 31 Dec: In drydock, New London for upkeep.

PART C: NARRATIVE

1. Awards received from the Mediterranean deployment include: Meritorious Unit Commendation, the Sixth Fleet HOOK 'EM award and CTF 69 Clean Sweep Broom for ASW excellence, to recognize the best of the best fast attack submarines.
2. PCO operations in May were conducted with two other submarines at the AUTECH range. All three submarines had PCO's aboard.
3. The exercise Agile Player was a surprise exercise in which all the submarines in New London were underway within 24 hours. There was no advance notice. PHILADELPHIA was able to get underway within 24 hours from a full upkeep status due to a herculean effort by the entire crew. Everything disassembled needed to be put back together, the reactor plant needed to be heated up, stores loaded and all personnel ready for underway, all in less than 24 hours. While underway for this exercise, PHILADELPHIA performed operations with Navy, Coast Guard and Air National Guard units.
4. During the course of the year, PHILADELPHIA had over 100 exercise weapons shot at her and she in turn shot 1 training Tomahawk, 1 training Harpoon, and over 40 Mk 48 torpedoes.

USS PHILADELPHIA (SSN 690)
1988 COMMAND HISTORY

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Connecticut.

PART B: CHRONOLOGY

1 - 10 Jan: Inport New London. Upkeep in progress in
preparation for WESTLANT deployment.

11 - 15 Jan: Underway for pre-overseas movement (POM)
workup.

16 - 17 Jan: Inport New London

18 - 21 Jan: Underway to Norfolk Naval Base to enter
drydock for emergency repair of torpedo tube
#3 shutter door.

22 - 29 Jan: Underway for POM certification.

30 Jan - 4 Feb: Inport New London.

5 Feb - 25 Mar: Underway for WESTLANT deployment.

26 - 27 Mar: Unscheduled Operational Reactor Safeguards
Examination (ORSE). Overall grade: Average.

28 Mar - 24 Apr: Standdown and upkeep in New London.

25 - 29 Apr: Underway, enroute to AUTEK for ADCAP target
services.

30 Apr - 3 May: Transit to Roosevelt Roads, Puerto Rico.

4 - 7 May: Inport Roosevelt Roads.

8 - 18 May: Daily operations in and out of St. Croix for
ADCAP target services and special CNO
project.

19 - 21 May: Transit to New London.

Enclosure (3)

USS PHILADELPHIA (SSN 690)
1988 COMMAND HISTORY

22 May - 15 Jun: Upkeep in New London.

16 - 26 Jun: Participated in FLEETEX 2-89 in the Puerto Rican Operating Areas.

27 Jun - 2 Jul: Transit to New London.

3 - 26 Jul: Upkeep in New London.

27 Jul - 9 Aug: Underway, enroute AUTEK for Tactical Readiness Exam (TRE).

10 - 15 Aug: Inport Ft. Lauderdale for liberty call.

16 - 26 Aug: Underway on AUTEK Underwater Range for Harpoon, Mk 48 torpedo, and Tomahawk weapons certification.

27 - 28 Aug: Transit to New London.

29 Aug - 6 Nov: Selected Restricted Availability (SRA) New London.

4 - 6 Nov: Sea Trials in Narragansett Bay Operation Area (NBOA)

7 - 13 Nov: Upkeep in New London complete SRA repairs resulting from sea trials.

14 - 20 Nov: Underway for target services for aircraft, submarines and surface ships.

14 - 20 Nov: Underway, via Virginia Capes Operating Areas for operations with USS BALTIMORE, south for target services in the Guantanamo Bay Operating Areas for services with various anti-submarine warfare (ASW) ships, then return to New London.

21 - 29 Nov: Inport New London.

30 Nov: Underway, enroute Guantanamo Bay Operating Areas for target services.

1 - 5 Dec: Transit with ship's drills.

6 - 7 Dec: Performed target services for USS BOONE and USS UNDERWOOD in Guantanamo Bay Operating Areas.

USS PHILADELPHIA (SSN 690)
1988 COMMAND HISTORY

- 8 Dec: Transitted to St. Croix and moored St. Croix for 2 hours to hold presail brief for LANTSUBASWEX 1-89.
- 9 - 11 Dec: Conducted operations against USS BOSTON (SSN 703) simulating submarine close encounters. These exercises for LANTSUBASWEX 1-89 were done on the St. Croix Underwater Range.
- 11 - 12 Dec: Moored overnight at St. Croix.
- 12 - 13 Dec: More operations against BOSTON to complete LANTSUBASWEX 1-89.
- 14 - 16 Dec: Transit to New London. Performed target services for P-3 Orion aircraft during transit north.
- 17 Dec: Moored New London. Commenced holiday leave/upkeep.
- 18 - 31 Dec: Standdown, New London.

Part C: NARRATIVE

1. Awards and Distinctions received:

a. PHILADELPHIA received the ASW "A" from COMSUBDEVRON TWELVE for 1988 for the second year in a row.

b. PHILADELPHIA was a Tactical Readiness Examination "Top Performer" for 1988.

c. PHILADELPHIA was the first submarine to receive TLAM-D capability.

d. Received the Supply Blue "E" for excellence.

2. Midshipmen were aboard during August operations on AUTECH Underwater Range while the ship performed weapons certifications.

3. LANTSUBASWEX 1-89 was performed to test very short range tactics in a close encounter between two submarines. Both submarines would detect each other at nearly the same time and at very short range. Out of the geometries run and the situations set up, came many lessons learned and a major contribution to tactical development in this area. Several dozen exercise Mk 48 and ADCAP torpedoes were fired during the exercise and much data was collected and later evaluated to develop more precise tactical guidance for these situations.