



DEPARTMENT OF THE NAVY
USS BUNKER HILL (CG 52)
FLEET POST OFFICE
SAN FRANCISCO, CA 96661-1172

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From: Commanding Officer, USS BUNKER HILL (CG 52)
To: Director of Naval History (OP 09BH), Washington Navy Yard,
Washington, D.C. 20374-0571

Subj: COMMAND HISTORY (OPNAV 5750-1)

Ref: (a) OPNAVINST 5750.12D

Encl: (1) Biography/Photo of Commanding Officer
(2) USS BUNKER HILL Fact Sheet and Ship's Characteristics
(3) Organization Chart
(4) EDVR for USS BUNKER HILL (CG 52)
(5) Embarked Aircraft Statistics
(6) Combat Systems
 a) (S) Combat System Ship Qualification Trial (CSSQT)
 Executive Summary (Sep Cover)
 b) Post Shakedown Availability Equipment Installation/
 Modifications
(7) Engineering Department
 a) Full Power Trial Report
 b) Economy Trial Report
(8) Photograph of USS BUNKER HILL (CG 52)
(9) Welcome Aboard Pamphlet
(10) Ship's Familygrams (The Sword)

1. The calendar year 1987 Command History is forwarded in compliance with reference (a). Enclosures (1) through (10) are included as supporting documentation.

2. Inquiries regarding this history should be addressed to the ship's point of contact, LTJG Stephen H. Kelley, USN, Public Affairs Officer.


P. M. QUAST

PART I

Command Composition and Organization

1. Characteristics. USS BUNKER HILL is an AEGIS Guided Missile Cruiser of the TICONDEROGA class. However, it is the first ship of the class equipped with the MK 41 Vertical Launching System (VLS) for missiles (Standard Missile 2 Block II, Tomahawk Cruise Missile) which sets it apart from predecessors delivered with the MK 26 Guided Missile Launching System. BUNKER HILL is the first combatant designed from the keel up to carry the Tomahawk Cruise Missile. Sixteen hundred of twenty three hundred class design drawings were re-engineered to accomodate these changes in BUNKER HILL.

2. Missions. BUNKER HILL's mission areas include:

- Anti-Air Warfare (AAW)
- Anti-Submarine Warfare (ASW)
- Anti-Surface Warfare (ASUW)
- Strike Warfare (STW) (Tomahawk)
- Electronic Warfare (EW)
- Command, Control and Communications (CCC)
- Mobility (MOB)
- Naval Gunfire Support (AMW)

3. Organization. USS BUNKER HILL remained under the administrative control of Commander, Naval Surface Force, U. S. Pacific Fleet from 1 January through 30 June 1987. On 1 July 1987 administrative control was shifted to Commander, Cruiser-Destroyer Group ONE and remained as such for the rest of the year. Commanding Officer, USS BUNKER HILL was assigned as Commander, Battle Group SIERRA on 11 November for the duration of 1987. Operational control is addressed in part II, Chronology.

4. Subordinate Commands. Helicopter Anti-Submarine Squadron Light 45, Detachment One was permanently assigned to USS BUNKER HILL upon commissioning. The detachment's parent squadron is based at Naval Air Station, North Island, San Diego, California. The detachment's Officer in Charge is LCDR Bret Gary. Two aircraft, LONEWOLF 43, bureau number 162327 and LONEWOLF 46, bureau number 162343 were assigned to BUNKER HILL in 1987. Further information on aircraft statistics can be found in enclosure (5).

5. Summary. BUNKER HILL is the Navy's most capable warship afloat. It plays a defensive role by providing protection for an ENTIRE Carrier-Battle Group or Surface Action Group against the Soviet air, surface and subsurface threat. Its offensive strike capability is impressively demonstrated by its ability to strike targets at sea and ashore with all three variants of the Tomahawk Cruise Missile. Four LM2500 gas turbine engines propel the ship at speeds in excess of 30 knots. The state-of-the-art AEGIS combat system provides the ULTIMATE in target detection, acquisition, targeting, and engagement. The AN/SPY-1A phased array radar can track over 200 surface and air targets simultaneously at ranges over 200 nautical miles with FIRE CONTROL ACCURACY. All these contacts are channeled through UYK-7

computers to the AEGIS Display System (ADS), comprised of four large screen automated displays that allow the Commanding Officer and embarked Commander to quickly and easily assess the state of the battle and make timely, accurate command and control decisions. Using "if-then" computer program logic, doctrine statements can be built into the AEGIS system allowing it to be operated in full automatic in times of saturation or other dense threat environments. Thus, targets can be detected, tracked, identified, evaluated, and engaged automatically without human intervention. The system can also be operated in semi-automatic or normal modes, giving greater operator control in less tactically demanding situations, or a mixture of all three modes may be employed. As the first AEGIS Tomahawk shooter, BUNKER HILL also plays a major role in power projection ashore. This sophisticated cruise missile uses techniques such as terrain contour matching with onboard computerized "maps" to guide itself to land targets. BUNKER HILL is also a highly capable anti-submarine warfare platform utilizing the impressive Light Airborne Multi-Purpose System (LAMPS) MK III SH-60B with its two-way voice and information data link, and the ship's hull mounted SQS-53A sonar with automated Passive Target Motion Analysis (PTMA).

PART II

CHRONOLOGY - CY 1987

<u>Dates</u>	<u>Event</u>	<u>Narrative Note #</u>
1-19 JAN	Inport San Diego; Pier Juliett, Naval Air Station North Island.	
5-10 JAN	LAMPS MK III Mobile Team Trainer	
20-27 JAN	Underway, Enroute Pearl Harbor, HI	
2 FEB	Deperming	
28 JAN-5 FEB	Inport Pearl Harbor. Combat System Ship Qualification Preparations.	1
6-7 FEB	Underway in Hawaiian OPAREAS	
8-10 FEB	Inport Pearl Harbor. CSSQT PREPS	2
11-18 FEB	Underway in Hawaiian OPAREAS. CSSQT	3
18-20 FEB	Lahaina, Maui Port Visit	
21 FEB-7 MAR	Underway in Hawaiian OPAREAS. CSSQT	4
8-10 MAR	Inport Pearl Harbor, HI	
10-15 MAR	Underway, Enroute San Diego	
11-15 MAR	CMTQT Qualification	5
16-22 MAR	Inport San Diego at Naval Station 32nd Street	
23-24 MAR	Underway. INSURV	6
23-26 MAR	INSURV Final Contract Trials	
25 MAR-21 APR	Inport San Diego at Naval Station, 32nd Street	
4-21 APR	Ingalls Warranty Availability	
6-10 APR	9023 Nuclear Weapons Training Group, Pacific Field Training	7
22 APR	Underway, Enroute Seal Beach	8
23 APR	Ammunition Offload, Naval Weapons Station, Seal Beach	
24 APR-17 JUN	Inport Todd Shipyard, San Pedro for Post-Shakedown Availability (PSA)	9
18 JUN	Underway, Post-PSA Sea Trials	
19-21 JUN	Inport, Todd Shipyard San Pedro. Final PSA Work.	
22-23 JUN	Underway, Enroute San Diego	
24-29 JUN	Inport San Diego at NAS North Island	
30 JUN	Underway, Enroute Seal Beach	
1-2 JUL	Inport, Naval Weapons Station Seal Beach Ammunition Onload	10
2 JUL	Underway, Enroute San Diego	
3-8 JUL	Inport San Diego at NAS North Island	
9-16 JUL	Underway, READIEX 87-5	11
17-24 JUL	Inport San Diego at NAS North Island	
25-31 JUL	Underway, Western Pacific/Indian Ocean	12
31 JUL- 2 AUG	Underway in Hawaiian OPAREAS. Varsity Scrimmage	13
9 AUG	Chopped to Operational Control of Commander, 7th Fleet; (Task Group 70.10) Enroute Subic Bay, RP	
3-15 AUG	Inport Subic Bay, RP	
21-31 AUG	Underway, Enroute North Arabian Sea	14
1 SEP-24 NOV	On Station in North Arabian Sea and Gulf of Oman	

4 SEP	Chopped to TG 70.5	15
4-5 SEP	Conducted AAW Picket Patrol in the Vicinity of the Strait of Hormuz in Support of Earnest Will Convoy Operations	16
12-15 SEP	Conducted AAW Picket Patrol in the Vicinity of the Strait of Hormuz in Support of Earnest Will Convoy Operations	
18-19 SEP	Conducted Search and Rescue Operation for Downed A-6E Aircraft from USS RANGER	17
23-26 SEP	Conducted Patrol in the Vicinity of Strait of Hormuz and Western Gulf of Oman in response to Iran AJR and in Support of 3 US Warships Through the Strait of Hormuz	
10-11 OCT	Conducted Covering Force Operations for Earnest Will Convoy in Strait of Hormuz	18
13-14 OCT	Anchored in International Waters in the Vicinity of Masirah Island, Oman for Maintenance	
15 OCT-24 NOV	Underway Conducting Operations in the North Arabian Sea and Gulf of Oman.	
16 OCT	Visit by CINCPACFLT (ADM Jeremiah) Underway in the Gulf of Oman	
19-20 OCT	Conducted Patrol in the Vicinity of the Strait of Hormuz in Support of Strike on Rashadat Oil Platforms.	
22 OCT	Conducted Covering Force Operations for Earnest Will Convoy in Strait of Hormuz	
31 OCT	Conducted Covering Force Operations for Earnest Will Convoy in Strait of Hormuz	
3 NOV	Conducted Covering Force Operations for Earnest Will Convoy in Strait of Hormuz	
8 NOV	Conducted Covering Force Operations for Earnest Will Convoy in Strait of Hormuz	
11 NOV	Assumed Command of TU 800.1.11/Conducted Covering Force Operations for Earnest Will Convoy in Strait of Hormuz	19
17 NOV	Conducted Covering Force Operations for Earnest Will Convoy in Strait of Hormuz	
23-24 NOV	Turnover with Battlegroup ALFA	
20		
23-30 NOV	Enroute Diego Garcia, BIOT	
27 NOV	Chopped from CTF 800 to CTF 70/Assumed Command of TG 70.10	21
30 NOV-1 DEC	Inport Diego Garcia, BIOT	22
1-8 DEC	Underway, Enroute Fremantle, Western Australia	
9-15 DEC	Port Visit, Fremantle, Western Australia	23
16-21 DEC	Underway, Enroute Sydney, Australia	24
22-28 DEC	Port Visit Sydney, NSW, Australia	25
29-31 DEC	Underway, Enroute Pearl Harbor, HI	

PART III

Narrative

1. USS BUNKER HILL transited to the Hawaiian Islands early in 1987 to conduct the first Combat System Ship Qualification Trial (CSSQT) of a Vertical Launch Configured AEGIS Crusier. The function of the CSSQT was: a) To demonstrate the capability of ship's force to maintain and operate systems/equipment comprising the combat system while fully manned. b) To identify problems in the combat system and equipment. c) To demonstrate the readiness of the combat system as a whole.
2. Conducted preparations in support of CSSQT which included testing the AEGIS computer program upgrade (program 2.0.3) system monitoring, and inport torpedo firings.
3. Conducted anti-submarine portion of CSSQT. While operating in the Hawaiian operation areas, BUNKER HILL fired eight LAMPS dropped torpedos and eight over-the-side torpedos. Details concerning CSSQT results may be found in enclosure (6).
4. BUNKER HILL qualified for Naval Gunfire Support and conducted Standard Missile-2 Block II firings (11 missiles) and 1 Harpoon firing during AAW and ASUW portions of CSSQT. Detailed information concerning CSSQT can be found in enclosure (6).
5. While enroute San Diego following the successful CSSQT, BUNKER HILL was examined and qualified by COMNAVSURFPAC Cruise Missile Tactical Qualification Team to operate with conventional Tomahawk and Harpoon Cruise Missiles.
6. Prior to arriving in San Pedro, California at Todd Shipyard for Post Shakedown Availability, the Board of Inspection and Survey conducted an inspection to determine final discrepancies and responsibilities for correction of same.
7. Nuclear Weapons Training Group, Pacific conducted training aboard BUNKER HILL in support of Nuclear Weapons Certification preparations. Areas covered included Physical Security, and Nuclear Weapons Administration.
8. While enroute Post Shakedown Availability in San Pedro, California, BUNKER HILL conducted a Dependent's Cruise. Family and friends of BUNKER HILL sailors tasted life at sea for the transit from San Diego to Naval Weapons Station, Seal Beach.
9. During Post Shakedown Availability at Todd Shipyard, San Pedro, California; documented discrepancies were corrected and many ordalts and equipment upgrades were installed. See enclosure (6) for more details.
10. BUNKER HILL demonstrated the first complete VLS onload at Naval Weapons Station, Seal Beach. The load of 122 missiles included both SM-2 Block II and Tomahawk Cruise Missiles.

11. During READIEX 87-5, BUNKER HILL first operated with the ships of Battle Group SIERRA which consisted of Commander, Cruiser-Destroyer Group ONE, USS MISSOURI (BB 63), USS LONG BEACH (CGN 9), USS HOEL (DDG 13), USS CURTS (FFG 38), AND USS KANSAS CITY (AOR 3).
12. BUNKER HILL deployed on her maiden deployment nearly one year ahead of schedule as part of Battle Group SIERRA (Task Group 30.7).
13. Enroute Western Pacific/Indian Ocean BUNKER HILL and Battle Group SIERRA conducted operation Varsity Scrimmage, an operation designed to exercise the Battle Group's capability to operate against expected strike targets and threats of the Gulf of Oman and Strait of Hormuz region. While operating in the Hawaiian Islands Battle Group SIERRA was joined by USS LEFTWICH (DD 984) and Commander, Destroyer Squadron 35. BUNKER HILL assumed the duties as alternate Anti-Air Warfare Coordinator.
14. Following an upkeep period at Subic Bay, RP; BUNKER HILL assumed duties as Anti-Air Warfare Coordinator for Battle Group SIERRA (TG 70.10), now enroute North Arabian Sea and Gulf of Oman.
15. USS BUNKER HILL and ships of Battle Group SIERRA chopped to Task Group 70.5, Battle Group ECHO (USS RANGER).
16. While operating with Battle Group ECHO, BUNKER HILL operated in a capacity as Anti-Air Warfare Coordinator. As such, BUNKER HILL acted as AAW Picket Patrol in support of Earnest Will Convoy Operations.
17. Following the loss of an A-6E aircraft from USS RANGER, BUNKER HILL computer technicians under supervision of the System Test Officer, reduced AN/SPY-1A radar data and were instrumental in the reconstruction of the downed aircraft's track. On-scene quickly, BUNKER HILL assumed duties as On-Scene Commander during the search for survivors and wreckage.
18. USS BUNKER HILL and USS MISSOURI conducted Covering Force Operations in the Strait of Hormuz in support of the Earnest Will Convoy Operations. This was the first use of the Battleship/AEGIS Cruiser team instead of carrier launched aircraft. The capability demonstrated the added flexibility given to the U.S. Navy with such assets.
19. Battle Group ECHO and USS RANGER departed the Gulf of Oman/North Arabian Sea region. The complete faith of the Battleship/AEGIS Cruiser team had been realized. USS BUNKER HILL, USS MISSOURI and escorts remained on station, allowing the United States to carry out policy in the region without tying up aircraft carrier assets.
20. The arrival of Battle Group ALFA (USS MIDWAY) marked the end of the long period on station for USS BUNKER HILL. While in the region, BUNKER HILL supported ten Earnest Will Convoys, 6 of them were covered by the Battleship/AEGIS Cruiser team from within the Strait of Hormuz.

21. While enroute Diego Garcia, British Indian Ocean Territory, Commanding Officer, USS BUNKER HILL took command of Battle Group SIERRA (TG 70.10) and would remain as Battle Group Commander for the duration of the deployment.

22. Once inport Diego Garcia, BUNKER HILL sailors, who had spent 101 consecutive days at sea were treated to a USO show featuring Wayne Newton.

23. While inport Fremantle, Western Australia, BUNKER HILL sailors encountered the very friendly Australians. The port visit was made very successful with the use of the Dial-A-Sailor Program. BUNKER HILL, MISSOURI, HOEL, CURTS, LEFTWICH, and KANSAS CITY shared the harbor with tall ships visiting for Australia's Bicentennary. Captain Quast was informed, while in Fremantle, of his selection for Flag Rank.

24. BUNKER HILL embarked the Defense Minister of Australia as well as a number of officers of the Australian Navy for a familiarization of the capabilities of the AEGIS Weapon System.

25. BUNKER HILL crew members raised \$5,000 for Sunnyfield Home. The crew made the donation while inport Sydney. The gesture was especially heartfelt due to the proximity to Christmas and the many miles from home during the holidays. While inport Sydney, BUNKER HILL conducted tours for over 10,000 people.