



DEPARTMENT OF THE NAVY
USS BUNKER HILL (CG 52)
FPO AP 96681-1172

Rec'd 8/22/00
W/o dish

IN REPLY REFER TO:

5750
Ser 00/065
27 April 2000

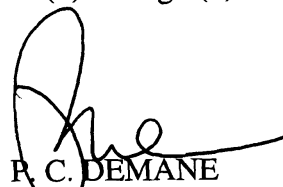
From: Commanding Officer, USS BUNKER HILL (CG 52)
To: Public Affairs Officer, Commander Naval Surface Force, Pacific

Subj: COMMAND HISTORY 1999

Ref: (a) OPNAV INSTRUCTION 5750.12G

Encl: (1) BUNKER HILL Narrative
(2) BUNKER HILL Command, Composition, and Organization
(3) BUNKER HILL Chronology
(4) BUNKER HILL Mission
(5) BUNKER HILL Chain-of-Command Diagram
(6) Commanding Officer's Biography and Photograph

1. In accordance with reference (a), enclosures (1) through (6) submitted for inclusion in the Command History file.


R. C. DEMANE
By direction

USS BUNKER HILL (CG 52) NARRATIVE OF 1999

The beginning of 1999 was truly a new beginning for BUNKER HILL. The ship, which had recently completed a homeport shift from Yokosuka, Japan, to San Diego, California, was deep in the throes of her first Regular Overhaul (ROH) in many years. Indeed, almost the entire first half of the year was devoted to this extensive shipyard availability. The year would not end in this manner, however. By the time the year 2000 was upon the crew, the ship had become a fully operational unit in Third Fleet ready to deploy at a moment's notice. This was an amazing transition, even for the nation's premier cruiser to undergo in such a short period of time. As BUNKER HILL had proven in the 13 years since her commissioning, she was not termed "Sword of the Fleet" for being less than exceptional.

The following is a list of some of the major projects that were completed in the overhaul:

- Hull Girder Modification – the forward section of the hull was strengthened and reinforced
- Passive Counter-Measure System (PCMS) – much of the weatherdecks were covered in a radar cross section reducing material
- AFFF System Upgrade – the ship removed the traditional six-station AFFF system for the more economical two-station system
- Solid Waste Pulper – a new device that helps dispose of pulpable trash in a more environmentally-friendly way
- Glass Shredder – much like the Solid Waste Pulper, but for glass
- Tank Stiffening Aft – aft fuel tanks were strengthened and reinforced
- Air Conditioning Plant Freon Conversion – a new, safer cooling medium replaced the existing cooling medium in the A/C plants
- ATWCS Tomahawk Upgrade – the latest and greatest of the Tomahawk systems
- JTIDS – installation of a newer and better information exchange and display system

In the first part of the year, BUNKER HILL's daily routine was dominated by training. Training was conducted at the divisional level twice a week, and likewise for the officers. In addition, the Command began a physical training program twice a week between 0700 and 0800. While this was occurring, a daily ROH production meeting took place at 0900 to brief the status of various jobs and to ensure the proper coordination was achieved at all levels. The Combat Information Center (CIC) teams were afforded an excellent opportunity to attend air warfare training at Wallops Island, Virginia. Actual scenarios were simulated in the CIC mock-up, briefs were prepared, and the simulations were treated exactly as if they were real. This training lasted five days, at which point the crew flew back to San Diego. The end of the shipyard period was in sight when the crew began its ship move-on the week of April 15th.

The overhaul period was well on its way to being over when the ship marched into the Light Off Assessment (LOA) May 24-26. The engineering cold checks were completed in excellent fashion and the crew was then able to steam the engine room. The next two days were spent performing Dock Trials during which the main engines and gas turbine generators were brought up on the line, and the shafts were rolled while tied up to the pier. The first of June was a fast cruise that helped iron out the last few details before the ship got underway for the first time in nearly eight months. During Sea Trials, conducted June 2nd to the 3rd, events included an ammunition onload at Naval Air Station North Island, Pier B, Link 11/16 testing, CIWS tracking a Lear jet, engineering evolutions, and a sonar self-noise test. At the completion of this very successful underway the ship moored at 32nd Street Naval Station, Pier 8. With the exception of a few minor jobs, the yard period was finally over. The crew was anxious to once again become an operational unit.

The next sea trials were conducted near the end of June, with evolutions such as a Photo-Ex near Point Loma, a 5"/54 Killer Tomato exercise, and the ship's first UNREP with the USNS PECOS. On July 13th the BUNKER HILL was honored to be the escort ship for the Tall Ships festival and lead the parade into San Diego Harbor. The next task was to complete a Combat Systems groom at Port Hueneme. After a short trip north to this city, the ship became a tour attraction during the port's annual Seabee Days. Over 4000 curious onlookers toured the ship over two days. The Combat Systems Groom teams completed their inspection of gear in two more days, and then the BUNKER HILL headed south to Seal Beach to receive a major weapons onload. After taking on Standard Missiles, Mk 46 torpedoes, CIWS and 5" ammunition the ship embarked several dozen family members for a dependent's cruise back to San Diego. The ship demonstrated a 5" and CIWS PACfire, a full power run, and had time for a steel beach picnic on the short trip back home.

On July 26th BUNKER HILL was back underway in the SOCAL OPAREAs where spotter services were required for two days of Naval Surface Fire Support operations on San Clemente Island. The ship's gunnery team not only became certified, they were able to achieve the second highest score of 1999 on the San Clemente range. From this point BUNKER HILL began transiting with the USS DECATUR, USS JOHN A. MOORE, USS ANCHORAGE, and the USS CARL VINSON to Seattle for Seafair 99. Several events were conducted during this cruise, including DIVTACs, underway replenishment with the PECOS and flight operations with the embarked HSL 49. In the early morning hours of August 3rd the ship reached Buoy J outside the Straits of Juan de Fuca. After transiting the straits that morning, all ships moored at Everett Naval Station. The next day consisted of embarking riders and parading south to Seattle in column and tying up at Pier 66 in downtown Seattle under the watchful eye of several thousand onlookers. Over the next four days nearly 20,000 people would tour the BUNKER HILL as part of the festivities for Seafair. The Blue Angels performed and hydroplane races took place on Lake Washington. On Monday, August 9th the ship left Seattle embarking Tigers for the five-day cruise back to San Diego. The ship returned to San Diego on August 13th after being away from homeport for almost the entire previous 30-day period. Many happy BUNKER HILL family members greeted the ship's arrival. The next week consisted of training and upkeep of the ship, and the annual Ship's Picnic, held this year at Admiral Baker Park.

The next week was extremely busy again for the crew as the inport portion of the Commander's Assessment of Readiness and Training II began. On August 26th the ship got underway to demonstrate a precision anchoring and an underway replenishment with the USNS GUADALUPE. After the completion of this rigorous assessment the ship turned its focus on September's transit to Hawaii. The major event to be conducted was a Stream Raid Missile Exercise, and the BUNKER HILL's air defense team was busy in preparations for the execution of this event. When the ship put to sea August 10th for the transit to the Hawaiian OPAREA, one missile was picked up at North Island Pier B, and the other was obtained upon arrival in Pearl Harbor at Lualualei Weapon Station. This transit was completed with the USS SHILOH, BUNKER HILL's sister ship in the ABRAHAM LINCOLN battlegroup. After a weekend in Oahu, the ship got underway for the Pacific Missile Range Facility near Barking Sands. On September 21st the exercise was completed near perfection, with the ship's personnel and weapon systems performing exceptionally well. Later that week the ship pulled into Pearl Harbor again for liberty, and on the 28th of September began the weeklong transit back to San Diego.

The rest of the month of October was spent training and getting ready for the upcoming month of September and TSTA and FEP, which would ultimately make the BUNKER HILL a deployable unit. Underway on November 2nd, the next eleven days were spent conducting ITT drills and various evolutions under the observation of a representative from the Afloat Training Group. These evolutions included mooring to a buoy, swept channel navigation and a towing exercise. Only pulling into San Diego for a short weekend, the ship was underway again between the 15th and 19th performing more ITT drills and the Engineering Qualification (E-QUAL). This engineering assessment consisted of several days of intense evolutions and drills. The ship performed superbly and completed E-QUAL and TSTA B in a most professional manner. The next underway was set to be just prior to the Thanksgiving holiday. The Final Evaluated Problem was left to accomplish, and it proved to be a tough hurdle. The underway was only two days, but after the completion of the Total Ship's Survivability Exercise, the crew felt like it had lasted much longer. The successful completion of this exercise resulted in BUNKER HILL being recognized as a deployable unit within THIRD FLEET's command.

The Thanksgiving holiday was a welcome break for all of BUNKER HILL's personnel. After their return, the ship began a very thorough information systems upgrade called IT-21. Two of the most visible upgrades included an entirely new LAN system and the TV Direct To Sailors system. The LAN is actually two separate networks. One is a system classified Secret, and the other is an Unclassified system. This major improvement allows the sailors to have email while at sea through the INMARSAT B upgrade, a version of INMARSAT not nearly as expensive to use as the older A version. The TVDTS system allows the viewing of satellite television while at sea, a great benefit for those that wish to watch the latest news and sports. This install lasted until the first part of 2000 and gave the BUNKER HILL much needed capability to interface with other ships of the ALBG.

Also during this time of being tied up pierside Supply Department was busy with its SMI during the week of December 6th. At the end of the week Supply came through with flying colors as they scored very high on this rigorous inspection. The ALBG was involved in top level conferences in the month of December, including a Sea Combat Commander Conference in Pearl Harbor and an Air Defense Commander Conference

held at TACTRAGRUPAC at Pt. Loma. The year of 1999 was capped off with the Command Christmas Party held at the U.S. Grant Hotel in San Diego. Between December 17-28, half the crew was on Christmas leave, followed by a turnover day on the 29th and the second half of the crew going on leave over the New Year.

The year of 1999 was an incredibly active year. Even though the ship was in the shipyard for the first five months, the rest of the year was filled with underway evolutions as the BUNKER HILL began to ramp up for deployment mid-year 2000. This being her first full year in San Diego, BUNKER HILL had something to prove to the rest of the waterfront. After many successful years in Japan and building an impeccable reputation as the ship called upon to respond at a moment's notice, the newly re-located ship and her crew stood tall among the many ships homeported in San Diego. The BUNKER HILL served notice to all observers that her tradition of combat readiness had also made the shift from Japan to San Diego and she plans to continue standing first and foremost on the front line.

COMMAND COMPOSITION AND ORGANIZATION

MISSIONS:

- | | | |
|--------------|------------------------------------|-------|
| o Primary: | Air Warfare | (AW) |
| | Undersea Warfare | (USW) |
| | Surface Warfare | (SUW) |
| | Strike Warfare | (STW) |
| | Electronic Warfare | (EW) |
| | Command, Control, & Communications | (CCC) |
| | Mobility | (MOB) |
| o Secondary: | Intelligence | (INT) |
| | Amphibious Warfare | (AMW) |
| | Mine Warfare | (MIW) |
| | Fleet Support Operations | (FSO) |
| | Non-Combat Operations | (NCO) |

ORGANIZATION:

USS BUNKER HILL is a TICONDEROGA-class, guided missile cruiser. She is the sixth ship to be equipped with the AEGIS AW system. As the first Baseline II cruiser, BUNKER HILL was the first equipped with the new Mk 41 Vertical Launching System (VLS) and the first to employ the Tomahawk Weapon System (TWS).

Throughout 1999, BUNKER HILL served in the administrative command of the Commander, Cruiser Destroyer Group THREE. The year began with the ship in a Regular Overhaul (ROH) at Southwest Marine Shipyard, and ended with the BUNKER HILL a deployable asset of THIRD Fleet after completing the Final Evaluated Problem (FEP) in November.

Within the THIRD Fleet Area of Responsibility, the ship was operationally assigned to:

- Commander, THIRD Fleet
- Commander, Cruiser Destroyer Group THREE
- USS ABRAHAM LINCOLN Battle Group

SUBORDINATE ORGANIZATIONS:

DISCUSSION:

USS BUNKER HILL is one of the most capable combatants in the U. S. Naval arsenal, possessing some of the most advanced systems in the surface Navy. Accordingly, she is a keystone in the battlegroup's offensive and defensive capabilities. BUNKER HILL is fully capable of a broad array of missions, including:

- o providing broad area surveillance and battlespace management
- o area defense of a Navy, joint, or combined (allied) battleforce or multi-unit Surface Action Group (SAG)
- o strategic and tactical strike operations as a single unit or in command of missile and aircraft strike units
- o theater ballistic missile surveillance
- o sustained presence or combat operations in multi-threat, open ocean, or constrained littoral environments

The core of BUNKER HILL's tactical capability is the AEGIS Weapons System -- a state-of-the-art, computer-assisted, fully integrated weapons system that can provide real-time detection, identification, acquisition, tracking, targeting, and engagement of multiple contacts in a high density battlespace. The four components of the AEGIS Weapons System, the SPY-1A Radar, the Weapons Control System, the Command and Decision System, and the AEGIS Display System, are each supported by an AN/UYK-7 computer bank. Each component is integral to the AEGIS System. The processors are capable of automatically managing the immense data presented in a multi-warfare environment. They provide detailed displays of the tactical situation, identifying selected contacts, providing assessments of threat levels per contact, scheduling potential responses, and, if authorized by the command-level decision-maker, the automatic engagement of multiple air and surface contacts. All automated decisions are subject to rules, known as doctrine statements, which are embedded within the AEGIS system or created and activated by the ship's tactical decision-makers as needed.

While management of the air battlespace is highly automated, the ship's tactical actions in response to surface, undersea, or land attack tactical situations are automated and integrated into the overall system to the extent necessary for coherent information distribution. Undersea warfare is predominantly accomplished by the ship's AN/SQS-53A Sonar, MK-46 torpedoes (ship or helicopter launched), and the Light Airborne Multi-Purpose System Mk III (LAMPS III). Surface warfare is achieved through the Harpoon surface-to-surface cruise missiles, SM-2 missiles in surface mode, and by the Mark 45 5"/54 caliber Guns. Strike warfare is performed by the Tomahawk Land Attack Missile (TLAM) system. The ship conducts Naval Surface Fire Support (NSFS) employing its 5"/54 caliber battery.

All warfare areas are highly integrated with the ship's command and control systems, including its electronic warfare capabilities. Consequently, any tactical action by the BUNKER HILL is likely to result in an integrated mix of ship's sensors and weapons, other ships' systems,

and carrier-based or land-based tactical aircraft. BUNKER HILL is as much a command platform as it is a weapons platform.

An enhanced detection and engagement capability is provided by the embarked LAMPS Mk III, two SH-60B Seahawk helicopters. Multi-mission capable, these helicopters extend the ship's surface and undersea sensor ranges well beyond the horizon and can deliver two MK-46 torpedoes per sortie. They are used extensively for surface contact management and possess their own datalink for communications and sensor management with the ship.

The heart of the ship's main propulsion capability lies within its four LM-2500 Gas Turbine Engines and twin shafts with Controllable Reversible Pitch (CRP) Propellers. These are capable of driving the ship through the water at speeds in excess of 30 knots and can also stop the ship from any speed in approximately two ship lengths.

BUNKER HILL's extensive electrical power capability is provided by three Allison 501-K17 Gas Turbine Engines, coupled to generators, each producing 2500 kilowatts and 4000 amperes of electrical power.

The ship maintains a complement of 28 officers, 28 Chief Petty Officers (CPOs), and 318 enlisted crewmen.

| MONTH | EVENT | DESCRIPTION |
|-----------------|--|--|
| DEC 98 - 11 JAN | End Holiday Standdown | |
| | ROH continues | South West Marine Shipyard, San Diego, CA |
| 25 | Undock Ship | |
| 01-28 | ROH continues | |
| 01-06 | Wallops Island Team Trainer | CIC watch teams fly to Virginia |
| 15-25 | Crew Move-on | Crew leaves barge to berth onboard ship |
| 24-26 | Light Off Assessment | Engineering Department performs flawlessly |
| 27-28 | Dock Trials | Ship and crew prepare to get underway |
| 01 | Fast Cruise | Crew irons out final preparations for first underway |
| 02-04 | Sea Trials | Ammo onload, Link 11/16 testing, Sonar Self-Noise, CIWS PAC fire, Engineering evolutions |
| 16 | Battle of Bunker Hill Commemorated | Cake cutting in memory of ship namesake |
| 21-25 | Surface Line Week | BUNKER HILL competes in the Large Ship category |
| 28 | Fast Cruise | |
| 29-30 | Sea Trials | Photo-Ex, 5"/54/50 cal Killer Tomato-Ex, UNREP with PECOS |
| 13 | Tall Ships Escort | BUNKER HILL chosen to escort parade of tall ships into San Diego Harbor |
| 15 | Enroute Port Hueneme | Night Deck Landing Qualifications, UNREP with RAINIER |
| 16 | Arrive Port Hueneme | Combat Systems Groom and Seabee Days |
| 17-18 | Tours of ship during Seabee Days | 6000 people tour BUNKER HILL |
| 19-20 | Combat Systems Groom | CS equipment gets a thorough assessment |
| 21 | Morning transit to Seal Beach | |
| 21-22 | Ammo onload at Seal Beach | SM-2's, Mk-46 Torpedoes, CIWS and 5-inch shells |
| 23 | Dependent's Cruise to San Diego | 5"/CIWS PACfire, Full Power Run, steel beach picnic |
| 26-29 | Underway SOCAL for NSFS and spotter services | BUNKER HILL is runner-up for ADM Chezak Award (NSFS); flight operations, WSAT |

| | | |
|------------|--|--|
| 30-04 | Underway Multisail for Seattle Seafair | DECATUR, JOHN A. MOORE accompany; UNREP with PECOS |
| [REDACTED] | | |
| 01-02 | Enroute Everett, WA | Full Power Demo: BKH wins |
| 03 | Moored Everett, WA | Reached Buoy J at 0230, transit Straits of Juan de Fuca at night |
| 04 | Sail to Seattle, Moor Pier 66 | DECATUR, JOHN A. MOORE tied outside BKH |
| 05-08 | Seattle Seafair | Tours draw over 16,000 people |
| 09-13 | Underway for San Diego | Tiger Cruise; UNREP with RAINIER |
| 17-19 | Harpoon CMTQT/SLAMEX | |
| 20 | Ship's Picnic | ADM Baker Park; Captain Denny in the dunk tank |
| 23-24 | CART II - Inport | IDTC in full swing |
| 26-27 | Underway for CART II | Precision Anchoring, UNREP with GUADALUPE |
| 28 | Moored San Diego | |
| [REDACTED] | | |
| 6-9 | CMTQT/ATWCS | BKH passes CMTQT ahead of schedule |
| 10-16 | Underway for Hawaii | SM-2 onload at NASNI and Lualualei; transit with SHILOH |
| 17-19 | Inport Pearl Harbor | |
| 20-24 | Underway in Hawaii OPAREAs | |
| 21 | AAW-11-SF Stream Raid | BKH performs flawlessly in dual drone missile shot |
| 25-27 | Inport Pearl Harbor | |
| 28-05 | Underway for San Diego | ATRC Det onboard for FADC training, SLAMEX 99-24 |
| [REDACTED] | | |
| 12 | Underway SOCAL for E-Qual | Engineering Evolutions |
| [REDACTED] | | |
| 2-12 | Underway for TSTA B | ITT Drills, ECC Drills, Moor to Buoy, Swept Channel, TOWEX, UNREP with PECOS |
| 15-19 | Underway for TSTA B, E-QUAL | ITT Drills, ECC Drills and Evolutions |
| 22-23 | Underway for FEP | TSSE drill; Burial at Sea |
| 29-JAN 00 | IT-21 Install | BKH gets major information systems upgrade |
| [REDACTED] | | |
| 6 | SMI inspection | Supply Department comes through with flying colors |
| 6-10 | Warfare Commander's Conference, Pearl Harbor | TAO's and CO attend |
| 13-17 | Air Defense Commander's Conference | TACTRAGRUPAC, Pt. Loma |
| 15 | BKH Christmas Party | Hosted at The Grant Hotel in San Diego |

USS BUNKER HILL (CG 52)

Mission

Victory in combat. Deterrence in peace. A winner when called upon to fight, and a tool of diplomacy during times of peace...supporting National objectives through Joint and Naval operations with command and control, air defense, surface, and subsurface attack and land strike.