



DEPARTMENT OF THE NAVY

USS CARL VINSON (CVN 70)
FLEET POST OFFICE
SAN FRANCISCO 96629

1982

CVN70:YXPA:ck
5750
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From: Commanding Officer
To: Chief of Naval Operations (Op-05D2)

Subj: CY 82 Command History

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Encl: (1) CY 1982 Narrative Historical Summary
(2) CY 1982 Engineering Department Highlights
(3) CY 1982 Operations Department Highlights
(4) CY 1982 Weapons Department Highlights

1. Enclosures (1) through (4) are forwarded as required by reference (a).


T. A. MERCER

Copy to:
Director of Naval History



CY 1982 NARRATIVE HISTORICAL SUMMARY

USS Carl Vinson was commissioned 13 March 1982 at Newport News Shipbuilding and Drydock Corp. in Newport News, Va. Among those present at the commissioning were Chief of Naval Operations, Admiral Thomas B. Hayward; Secretary of the Navy, John F. Lehman Jr.; Senator Sam Nunn of Georgia; Senator John Tower of Texas (principal speaker); Commander Naval Air Force U.S. Atlantic Fleet, Vice Admiral Thomas J. Kilcline; Commanding Officer, Captain Richard L. Martin, and the ship's sponsor Mrs. Molly Snead.

The ship's first underway time as a commissioned vessel was logged in transit from Newport News to Pier 12, Naval Station Norfolk, Virginia on 15 March 1982. The ship got underway for its first operational sea period on 18 March and began fixed wing flight operations on 22 March. From 22 March to April 2nd, the ship accomplished flight deck certification, and conducted the initial F/A-18 Hornet sea trials.

The next underway period began on 15 April 1982 and included shakedown and fleet carrier qualifications. The first underway refueling was on 16 April from USS MOINESTER and the first underway weapons onload was on 18 April from USS SEATTLE. On 7 May, the Atlantic Fleet Training Group and Carrier AIRWING Eight embarked and the ship began Refresher Training. Two port visits followed the first training phase; St. Thomas, V.I. from 17-20 May and Barbados from 23-25 May. The final REFTRA period and battle problem were completed from 31 May to 4 June. The ship returned to pier 12, Norfolk, Va. on 11 June and was underway again for final contract trials on 21 June. On 7 July, the ship was underway off the Virginia Capes for Reserve Carrier AIR WING Twenty carrier qualifications.

The Operational Reactor Safeguards Examination (ORSE) was conducted 19-22 July and the ship earned the highest grades ever received on a first CVN ORSE. July 23 was spent in a weapons off-load at "Whiskey" anchorage in Hampton Roads and the next day, CVN 70 proceeded to the deperming crib at Craney Island.

The ship arrived at Newport News Shipbuilding and Drydock on 2 August to begin Post Shakedown Availability (PSA) and entered drydock at Shipway 11 on 11 September. While in the shipyard, the ship served as the flagship for COMM ORANGE during READIEX-82, and the CNO announced the homeport change of the ship from Norfolk, Va. to Alameda, Calif., effective 1 March 1983. The ship was undocked on 20 November and on 2 December, RADM Kendall Moranville, Commander Carrier Group Four, broke his flag onboard. PSA was completed on 10 December and the ship was underway on the 11th for post-PSA sea trials, fleet carrier qualifications, and F/A-18 BIS trials. The ship returned to Pier 12, Norfolk, Va. on 15 Dec. for the Christmas holidays and was pierside until 4 January 1983.

Enclosure (1)

CY 1982 ENGINEERING DEPARTMENT HIGHLIGHTS

The commissioning Chief Engineer for USS CARL VINSON was Commander

██████████. He was relieved in September 1982 by Lieutenant Commander

██████████.

Significant engineering milestones and achievements are listed.

R-Division:

During the post-shakedown availability, 32,000 man hours of work were performed for SFOMS, and 10,000 hot work chits were processed without a fire or accident on any of the jobs.

Several major habitability changes were also completed. They included: Installation of rack curtains for all crews racks; installation of ship's sauna, and remodeling of the ship's gym.

Also, two 3500 gallon Aqueous Film Forming Foam (AFFF) storage tanks were installed in the hangar bay overhead. This provides significantly increased flight deck fire fighting ability and allows refilling of hi-capacity tanks without the use of pumps.

To eliminate "running rust" (streaks of rust on the outside of a ship where water is discharged overboard) approximately 600 scuppers were installed on overboard discharges. This task was completed by ship's force for approximately \$50,000 after Newport News Shipbuilding and Drydock had given an estimate of \$750,000.

Enclosure (2)

During the PSA, all unit lockers and repair lockers were reoutfitted due to poor initial outfitting. Carl Vinson subsequently achieved the highest overall DC grade recorded in recent history by a shakedown carrier.

A Division:

Improved Aircraft Elevator safety during PSA:

*New cellulube with reduced toxicity.

*Sump Tank Safety Modification prevents over pressurizing and rupturing the sump tanks.

Established a relief valve test facility for the entire ship conducting tests normally performed by an Intermediate Maintenance Activity.

Machine Shop:

Completed emergency repairs to the Rod Drive Power Supply coupling keys (48 total) during the shakedown cruise to preclude entering port for emergency repairs.

Performed emergency repairs for the USS Blandy and USS Conolly to help these ships maintain operation of their distilling units.

Replaced #3 emergency diesel generator ring gear due to excessive wear. This work is normally performed by a shipyard.

Installed Spectrographic Analysis equipment and ORSAT test kits to monitor liquid oxygen purity. Previously, all samples had to be flown off the ship to perform mandatory tests. This significantly increased the ship's capability to produce aviators' breathing oxygen.

M Division:

Replaced badly leaking syntron seals on 3 and 4 shafts, returning each shaft to service within 8 hours.

Modified #3 ships generator sea water rake to provide significantly increased antifouling capability, enabling more rapid and trouble-free engineroom lightoff.

Installed a recirculation bromination system on the potable water tanks which replaces the hypochlorination system used on other ships. This system is safer, easier to operate and biologically more effective.

E Divisions:

Major flight deck lighting alterations included rewiring, replacing rheostats, and respotting to provide better reliability and coverage.

Installing in-line fuses in hangar bay divisional doors to reduce coil failure significantly increasing reliability and safety.

CY 82 OPERATIONS DEPARTMENT HIGHLIGHTS

ELECTRONICS MATERIAL OFFICER (EMO)

- Close In Weapons System (CIWS) Fired for the first time April 1982.
- Nato Sea Sparrow Missile System fired for the first time April 1982.

OE Division completed major changes and improvements during the Post Shake Down Availability (PSA) period with the installation of the following equipment:

- AN/SLQ-17A (V)2 DEFENSIVE ECM SYSTEM
- AN/WLR-1C WITH BAND 10 ESM SYSTEM
- AN/WLR-11A ESM SYSTEM
- AN/SPS-49 AIR SEARCH RADAR (First on a CVN-68 class)
- AN/SPN-42A ACLS CERTIFIED FOR MODE 1 LANDINGS WITH A7 AIRCRAFT
- LORAN C NAVIGATION SYSTEM
- TSCE IKY-58 and TSEC/KY-75 Interm Portable
- Installed limited range Intercept (LRI) equipment in All AN/URT-23
- Installation of PERQ Computer Ethernet
- Reinstallation and certification of the Wang Word Processor RF distribution system.

COMBAT DIRECTION CENTER (CDC)

- REFTRA:

Grade of 95 on final battle problem (highest grade ever on CV)

ASW MODULE installed in 3 weeks (contract called for 8 weeks) and was 1 year ahead of schedule.

CY 82 WEAPONS DEPARTMENT HIGHLIGHTS

13 MAR 82 Performed Gun Salute for Commissioning Day

04 APR 82 Completed Magazine Sprinkler System Review

28 JUN 82- Completed NAVSEASYSKOM Explosive Safety Review

02 JUL 82

28 JUN 82- Completed Physical Security Survey of Arms, Ammunition,
& Explosives (AA&E)

15 OCT 82- Completed Weapons Deployment to NAS Fallon, Nevada in
29 OCT 82 support of COMCARAIRWING FIFTEEN

18 OCT 82- Completed Shipboard Nuclear Weapons Handling 0924 Course

22 OCT 82

09 NOV 82- Completed NAVSEASYSKOM Explosive Safety Technical Assistance

13 NOV 82 Visit for Weapons Magazines and Armory

29 NOV 82 Completed Magazine Sprinkler System Review (MSSR) with
"outstanding" results

10 DEC 82- Conducted Technical Assist Visit (TAV)

14 DEC 82

13 DEC 82- Loaded more than 2,000 tons of ordnance

15 DEC 82

Enclosure (4)