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DEPARTMENT OF THE NAVY

USS FRANK CABLE (AS 40)

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From: Commanding Officer, USS FRANK CABLE (AS 40)
To: Director of Naval History (OP-09BH), Washington,
Navy Yard, Washington, DC 20374-0571

Subj: ANNUAL COMMAND HISTORY FOR CALENDAR YEAR 1990

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1990

Encl: (1) Command Composition and Organization
(2) Chronology
(3) Supporting Documents

1. Per reference (a), enclosures (1) through (3) are submitted.

E. L. Osler
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USS FRANK CABLE (AS 40)
Command Composition and Organization
Calendar Year 1990

The USS FRANK CABLE (AS 40) provides a mobile support base for nuclear powered SSN 688 LOS ANGELES Class, and SSN 637 STURGEON Class high-speed attack submarines. FRANK CABLE is an auxiliary to these submarines. The ship contains 53 specialized shops for submarine support as well as various services such as laundry, repair parts, medical and dental facilities, legal counseling, mail, disbursing services, barber shops and ship's stores. There are living quarters for up to 1351 officers and enlisted personnel, both men and women. Submarines moored alongside for servicing can be provided with compressed gases, steam, diesel fuel, water, electricity, and various other services.

The Commanding Officer of USS FRANK CABLE is Captain R. P. Vidosic. The USS FRANK CABLE is home ported in Charleston, South Carolina.

USS FRANK CABLE (AS 40)
Chronology
Calendar Year 1990

I. Significant Events.

A. Repair Department.

1. Maintained all tended units of Submarine Squadron FOUR and other squadrons while on deployment in a superb state of material readiness.
2. Completed 37 availabilities on 12 submarines and 10 surface ships involving over 20,000 individual jobs and the expenditure of more than 700,000 man hours. Every availability was completed on or ahead of schedule.
3. Significantly increased asbestos removal capabilities thereby reducing dependence on costly shipyard assistance.
4. Successfully completed major repairs to 31 periscopes.
5. Manufactured dry dock fittings for the USS BATFISH.
6. Manufactured metric threaded refueling fittings for the British submarine HMS OCELOT.
7. Repaired over 250 electric motors.
8. Calibrated over 1500 gages/meters.
9. Implemented the only fully capable SSN AN/WLQ-4 IMA, which accomplishes many repairs classified as depot level.
10. Established IBM compatible repair service onboard the ship.
11. Received the highest grade possible on an unscheduled Divers Operational Readiness Assessment (DORA).
12. Successfully treated five cases of emergency diving casualties.
13. Issued and completed over 516 controlled work packages; of which 232 were subsafe, 186 level 1, and 98 controlled.
14. Completed over 225 Shipalts and 158 A&I's on tended units.
15. Completed over 100 Nuclear Work Packages.
16. Won the COMSUBLANT Repair "R" for 1990.

B. Engineering Department.

1. Provided the following services to tended units: electricity, steam, potable water, firemain, L.P. air, H.P. air, chill water, nitrogen, CHT removal, telephones and closed circuit television feed.
2. Conducted extensive repairs and safety upgrades to the ship's elevators and conveyors.
3. Achieved a grade of SATISFACTORY on CINCLANTFLT Operational Propulsion Plant Examination (OPPE), with an assigned adjective grade of ABOVE AVERAGE. Repair Party Personnel were rated as "OUTSTANDING."

4. Received a grade of SATISFACTORY on the Commander Submarine Force, U.S. Atlantic Fleet 3M Inspection.
5. Replaced the blower for the Emergency Diesel Generator Engine.
6. Received a grade of SATISFACTORY for a Nuclear Technical Proficiency Inspection (NTPI). Repair Party personnel were rated as "ABOVE AVERAGE."
7. Received a grade of SATISFACTORY for a Radiological Controls Practice Examination (RCPE). The Duty Damage Control Party personnel were graded as AVERAGE.
8. Completely rewired several small boats, including two new 50 foot utility boats.
9. Completed emergent repairs to No. 2 400 Hz Special Frequency Motor generator set.
10. Overhauled two fireroom ventilation fan motors.
11. Overhauled the 1S/1SAS Bus Tie breaker and the 1EG 1600 amp frame size ACB circuit breaker to support an underway commitment.
12. Replaced the following: Bearings in No. 1 and No. 7 Fire Pumps, an ABT in the fire room, the motor-operated discharge valve on No. 5 Fire Pump, all switchboard lighting fixtures, and contactors in all A/C controllers.
13. Overhauled the Master and Auxiliary Gyrocompasses and Gyro System.
14. Repaired Impressed Current Cathodic Protection System anode.
15. Installed new forced draft blower tachometers.
16. Procured and installed remote temperature indicating system for the main line shaft bearing.
17. Repaired the Dead Reckoning System and the Underwater Log Indicator/Transmitter.
18. Recertified the Wind Speed and Direction (HD-HE) System.
19. Replaced the lube oil cooler for No. 3 SSTG.
20. Overhauled No. 1 Evaporator Brine Overboard Pump and No. 1 Evaporator Feed Pump.
21. Overhauled numerous main steam silver seal valves.
22. Replaced the lube oil purifier.
23. Completely painted out the Engine Room and Fireroom in preparation for a CINCLANTFLT PED OPPE.
24. Replace HP turbine casing drain manifold and valves.
25. Installed electric prime mover for main circulating pump.
26. Conducted several boiler flexes on all propulsion boilers with nothing less than level 1 being achieved.
27. Performed successful full power trial.
28. Provided 25 Nitrogen charges to tended submarines.
29. Provided chill water services to ten tended submarines.
30. Conducted overhaul of #2 HPAC.
31. Replaced starboard steering pump.

32. Replaced both port and starboard motor whale boat engines.
33. Repaired or overhauled 22 UG8 governors in support of Submarine Squadron FOUR submarines.
34. Overhauled four of FRANK CABLE's small boat's 671 Detroit Diesel Engines.
35. Completed a successful diesel inspection on 8 1/8 fairbanks engine.

C. Supply Department.

1. Completely redesigned and renovated the Enlisted Dining Facility.
2. Renovated the Ship's Self-service Laundry.
3. Completed resurfacing and improvements to the T-Shed lay down areas.
4. Refurbished 31 repair part storerooms.
5. Designed and opened a satellite Disbursing Office for Submarine Squadron FOUR submarine and tended unit accounts.
6. Received a grade of SATISFACTORY on the Fleet Accounting and Disbursing Center surprise disbursing examination.
7. Completed renovation of the Vending Sales Area which provides around the clock customer access to vending service.
8. Received a grade of SATISFACTORY during the annual Commander, Submarine Force, U.S. Atlantic Fleet Supply Management Inspection.

D. Weapons Department.

1. Maintained all units of Submarine Squadron FOUR in the highest state of Weapons readiness, completing all commitments ahead of schedule. During CY90 the Weapons Repair Department handled in excess of 300,000 pounds Net Explosive Weight (NEW). This is the eighth consecutive year that FRANK CABLE has handled without an incident or accident. In addition, the department provided tactical weapons handling services for visiting units from Submarine Squadrons SIX, TEN, SIXTEEN and EIGHTEEN.
2. Safely handled over 550 MK 48 and ADCAP Torpedoes, 90 cruise missiles, 1600 pyrotechnics and 160,000 rounds of ammunition.
3. Completed a highly successful Short-Notice Navy Technical Proficiency Inspection (SNNTPI) with OUTSTANDING or EXCELLENT grades in eleven of the twelve areas inspected.
4. Successfully served as the waterfront Command Post throughout security exercise "VASEX 90." The Weapons Repair Department's preparation for and vigilance during the exercise were key factors in the absolute prevention of unauthorized access to the pier and ship.
5. Successfully completed an unannounced Explosive Safety/Magazine Sprinkler Inspection during a Combat Systems Readiness Review with no major deficiencies.

6. Successfully completed a Material Maintenance Inspection (MMI) with no deficiencies.
7. Provided exercise torpedo handling services to four units in Port Everglades, FL, and several units in Port Canaveral, FL.
8. Completed over 880 weight tests for Submarine Squadron FOUR and other units.
9. Completed over 2500 QA Inspections and 90 audits in support of weapons handling services.

E. Dental Department.

1. Accomplished 9,766 examinations and provided comprehensive treatment for 8,744 Submarine Squadron FOUR personnel.
2. Achieved a 40% increase in dental readiness for tended units of Submarine Squadron FOUR. Maintained an average dental readiness of 95% for all deploying units.
3. Received an overall grade of satisfactory during the SUBLANT Dental Readiness Inspection, with an OUTSTANDING grade in administration, organization, and safety.
4. Established a comprehensive dental emergency training program for Submarine Squadron FOUR independent duty Corpsmen. In addition, Corpsmen are supplied with a dental emergency syllabus and a computer dental pain/diagnostic program prior to deployment.

F. Medical Department.

1. Provided an average of 700 patient care visits monthly in the areas of sick call, medical officer appointments, physical exams and preventative medicine evaluations.
2. Continued training in the area of Mass Casualty Response, enabling the Medical Department to further improve its coordination, communication, and preparedness in the areas of supplies, patient triage, and treatment.
3. Continued computer usage and training, allowing the department to increase it's efficiency and ability to monitor and provide rapid response in the areas of patient care and medical administration.
4. Continued to improve patient care in the area of "Women's Health Issues" through preventive medicine; decreasing pregnancies and sexually transmitted diseases and providing complete evaluations and examinations for all female issues in coordination with the Charleston Naval Hospital.
5. Awarded the Yellow "M" for Medical Excellence for Fiscal Year 1990.

G. Operations Department.

1. Processed an average of 9600 incoming and 1500 outgoing messages per month utilizing the Standard Remote Terminal (SRT).

2. Completed Type Commander's Communications Readiness Evaluation (CRE) in June 1990 with a grade of 84.1 (Average) just 0.9 points away from an "Above Average" score. This excellent performance was achieved after only six months of operational experience following a five month Docking Selected Restricted Availability. This was the first CRE conducted under the new COMSUBLANT CRE instruction which significantly upgraded the evaluation criteria.

3. Successfully participated in three Strategic Communication System tests which included two Polo Hat exercises and one High Frequency (HF) mobile communications test.

4. Completed installation and certification of the Standard Remote Terminal (SRT) with no interruptions in the communications support to Submarine Squadron FOUR and tended units.

5. Completed installation and certification of the TSEC/KG-84C cryptographic system with no interruption in the communications support to Submarine Squadron FOUR and tended units.

6. Completed installation and certification of the Advanced Narrowband Digital Voice Terminal (ANDVT).

7. Received an OUTSTANDING grade in TOP SECRET control during a short-notice Navy Technical Proficiency Inspection (NTPI). No deficiencies were noted.

8. Received an EXCELLENT grade in the handling of the Sealed Authentication System (SAS) Account during a short-notice NTPI.

9. Satisfactorily completed a Cosmic Control Point Inspection.

10. Satisfactorily completed a Communications Security Material System (CMS) Inspection with no major deficiencies.

H. Deck Department.

1. Provided lifeboat, line handling, and rigging services for over 270 arriving/departing units.

2. Completely removed, preserved, and reinstalled all three anchors and anchor chains.

3. Completely overhauled the YD-232 floating crane interior and exterior spaces, associated equipment, and machinery requiring over 12,500 man hours. As a result, YD-232 received a grade of OUTSTANDING from the Naval Facilities Inspection Team with a personal comment from the Chief Inspector that, "...YD-232 is the best floating crane in the world today." All work was accomplished exclusively by Deck Department Personnel.

4. Accumulated 1,392 hours of operation on the diesel/electric plant of the 60 ton floating crane which is indicative of the extremely high usage of this key asset throughout the Charleston waterfront.

5. Provided crane and rigging services for 13 hook-ups of the portable effluent tank on tended units.

6. Provided small boat services for the waterborne transfer of over 100 ADCAP and MK 48 torpedoes.

7. Salvaged seven deep draft submarine separators from the bottom of the Cooper River which sank as a result of Hurricane Hugo.

8. Developed and implemented an extensive personnel qualification program for crane operations which resulted in Deck Department receiving an OUTSTANDING during the Navy Technical proficiency Inspection.

9. Assisted USS ALAMOGORDO (ARDM-1) in getting underway from and returning to her 13 point moor.

10. Completed 70 controlled work packages, 60 rigging jobs, and manufactured over 40 mooring lines for tended units.

11. Safely, without incident or injury, conducted over 7,500 crane lifts in support of USS FRANK CABLE and tended units. This included the handling of over 250 tactical weapons and the replacement of two submarine propellers.

12. Completed major hull renovations of Submarine Group SIX's Barge, USS FRANK CABLE's two 26 foot motor whale boats, two 40 foot utility boats, two fifty foot utility boats, and the Commanding Officer's 33 foot officer's motor boat providing all of the eleven assigned small boats in an operational status at a considerable cost savings to the government.

13. Participated in a successful Surface Weapons Test, the first ever attempted by a submarine tender.

14. Preserved and painted over 90,000 square feet of USS FRANK CABLE's exterior surfaces.

15. Successfully completed a NAVSEA Crane Certification Inspection with a grade of OUTSTANDING.

I. Safety Department.

1. Eliminated use of building X-10 as an interim hazardous waste collection point. All Submarine Squadron FOUR hazardous waste is turned in directly from the unit to the Charleston Naval Shipyard Environmental Office.

II. Calendar Year 1990 underway periods.

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| A. | 24 Feb - 10 Mar | Operational Propulsion Plant Exam |
| B. | 4 - 17 Jun | Halifax, Nova Scotia |
| C. | 31 Jul - 10 Aug | Beverly, Massachusetts |
| D. | 29 Oct - 1 Nov | Service Weapons Test |