



Rec'd 7/30/93

DEPARTMENT OF THE NAVY

USS FRANK CABLE (AS 40)

FPO AA 34086-2615

5750

Ser 11/1078

21 JUL 1993

From: Commanding Officer, USS FRANK CABLE (AS 40)
To: Director of Naval History, Washington Navy Yard (N09BH)

Ref: (a) CNO ltr 5757 Ser 09BH/SH/3U5055878 of 8 Jul 93
(b) OPNAVINST 5750.12E

Encl: (1) FY92 Battle Efficiency "E" Competition AS (Attack)
Category
(2) Underway Evolutions for FY92

1. Enclosures (1) and (2) are forwarded for historical purposes as required by references (a) and (b).

P. W. Dunne

P. W. DUNNE

3590
Ser 11/

From: Commander Submarine Squadron 4
To: Commander Submarine Force, U. S. Atlantic Fleet
Subj: FY 92 BATTLE EFFICIENCY "E" COMPETITION AS (ATTACK)
CATEGORY

Ref: (a) COMSUBLANTINST 3590.3Y

Encl: (1) Justification for the overall Battle "E" Award
(2) Justification for the Engineering "E" Award
(3) Justification for the Communications "C" Award
(4) Justification for the Damage Control "DC" Award
(5) Justification for the Supply "E" Award
(6) Justification for the Repair "R" Award
(7) Justification for the Weapons "W" Award
(8) Justification for the Deck Seamanship "D" Award
(9) Justification for the Medical "M" Award
(10) Justification for the Dental "D" Award

1. Per reference (a), I nominate USS FRANK CABLE (AS 40) for the award of the Battle Efficiency "E" for overall excellence because of her outstanding performance during the award period. The deactivation of Submarine Squadron EIGHTEEN and the reassignment of USS HOLLAND has increased the number of submarines attached to my squadron and expanded my scope of operations to include Charleston Naval Weapons Station including the floating drydock as well as the Naval Base. FRANK CABLE was the key that made it possible for me to take on these added responsibilities and continue to improve the material condition of every assigned submarine.

a. FRANK CABLE demonstrated her capability to perform as a deployed tender by performing two resin discharges at Charleston Naval Weapons Station and by acting as my command ship for operation SWAMP FOX 1-92 where I demonstrated the ability to exercise command and control, and repair of deployed SSN's conducting special operations.

b. FRANK CABLE has emphasized professional development, promoting qualification, advancement-in-rate, and warfare qualifications. This program has succeeded as FRANK CABLE's advancement-in-rate percentages have remained constant while fleet wide advancement opportunities have decreased while downsizing the Navy.

c. FRANK CABLE has been proactive in establishing Personnel Awareness Programs which have reduced the number of unplanned losses and increased the responsibility for personnel affairs among the crew.

Enclosure (1)

Subj: FY 92 BATTLE EFFICIENCY "E" COMPETITION AS (ATTACK)
CATEGORY

d. Enclosure (1) provides additional justification. FRANK CABLE should be selected for the overall Battle "E" award.

2. I also nominate FRANK CABLE for the following departmental mission area awards based on outstanding and improved performance in every area: (Enclosures (2) through (10) provide justification).

Engineering "E"	Weapons "W"
Communications "C"	Deck Seamanship "D"
Damage Control "DC"	Medical "M"
Supply "E"	Dental "D"
Repair "R"	

3. The following individuals were responsible for the nominated award:

<u>AWARD</u>	<u>RESPONSIBLE INDIVIDUAL</u>
BATTLE "E"	CAPT E. L. OSER (CO) CDR W. E. WRIGHT (XO) TMCN M. J. CLIFFORD (CMC)
WEAPONS BLACK "W"	(R) LT T. B. HARVEY (WEPS) (D) LCDR T. WILSON (WEPS)
COMMUNICATIONS GREEN "C"	LT R. D. STALCUP (OPS) (D) LTJG MAJORS (COMM) (R) RMC(SW) G. M. FOWLER (COMM)
DENTAL YELLOW "D"	CDR M. D. MIDDLETON (DENT)
ENGINEERING RED "E"	LCDR M. D. MCNABB (CHENG)
DECK WHITE "D"	LT S. D. COLE (DECK)
SUPPLY BLUE "E"	(D) CDR C. WAITS (SUP) (R) CDR G. T. NOBLE (SUP)
DAMAGE CONTROL RED "DC"	LT S. M. LARIVIERE (DCA)
MEDICAL YELLOW "M"	LCDR J. A. NEELY (DOC)
REPAIR RED "R"	CDR J. M. HAMPEY (REPAIR)

4. USS FRANK CABLE's performance in every mission area has been outstanding and her representation of the Submarine Force has been superb in every endeavor.

D. A. NAPIOR

Copy to:
COMSUBGRU 10
USS FRANK CABLE

USS FRANK CABLE (AS-40) BATTLE EFFICIENCY "E" AWARD

SUMMARY

During 1992, the crew of the USS FRANK CABLE has increased the quantity of services to support the expanded requirements of the Submarine Forces in Charleston, over a larger area of operation. The crew has accomplished this while significantly improving the quality of those services and the material condition of the tender and Submarine Force infrastructure in Charleston. Tender mobility has been maximized and crew performance has been superb. The crew of USS FRANK CABLE has achieved this success with a small increase in manpower and proportional increases in funding to accommodate the larger number of units tended.

QUANTITY

- Due to unique circumstances which occurred in FRANK CABLE's area of operation (Charleston, S.C.) during the past eighteen months, the crew has been challenged to significantly increase the quantity of services required across the entire spectrum of support provided by a submarine tender. The deactivation of Submarine Squadron EIGHTEEN and the reassignment of USS HOLLAND not only increased the quantity of services required, but also expanded the FRANK CABLE's area of operation from the Naval Base up to Charleston Naval Weapons Station, including all operations in the floating drydock.

QUALITY

- A partial measurement of the quality of services provided is reflected in inspection results. A submarine tender is the most inspected ship in the Navy. During the past eighteen months, FRANK CABLE has successfully completed all inspections. These inspections indicated uniform improvement in the quality of services provided across the entire spectrum of submarine support.

- An additional measurement of quality is reflected in the operational performance of the tended units. The material condition of the units assigned to Submarine Squadron FOUR has remained excellent for the past eighteen months. This has been verified by numerous, uniformly above average inspections conducted by the Propulsion Examining Board (both nuclear (ORSE) AND NON-NUCLEAR (OPPE)) and the Board of Inservice Inspection (INSURV). These results reflect well on the continuous material management provided by the Commanding Officers of the units in Submarine Squadron FOUR and the squadron material staff. It additionally reflects well on FRANK CABLE's material support to units assigned.

MOBILITY

- The flexibility of the crew and the mobility of the ship to deliver services to all customers at the proper place and time has been fully demonstrated during the past year. The ship has shared time between Pier MIKE, at Naval Base Charleston, and Site FOUR, at Charleston Naval Weapons Station. Regardless of the ship's location, quality services were delivered to all submarine forces in the Charleston naval complex. This could not have been accomplished without the inherent mobility of a floating IMA and a crew trained to fully exploit this mobility. Mobility was further demonstrated when FRANK CABLE served as the command ship for Operation SWAMPFOX '92. This operation exercised at sea tactical command and control of numerous submarines (some with special warfare forces embarked) in all rolls required of attack submarines in the post cold war era.

CREW PERFORMANCE

- It would have been logical, during this period of increased submarine support demand, if the ship and material infrastructure were allowed to degrade. In reality, every facet of the material infrastructure has been improved. FRANK CABLE completed a three month major depot level Phased Maintenance Availability (PMA) while continuing to conduct submarine upkeeps. Additionally, the assigned floating crane, YD-232, conducted a three month overhaul. Finally, the crew has overhauled and recertified a new dive boat to full operational capability.

USS FRANK CABLE (AS-40) ENGINEERING RED "E"

SUMMARY

The Engineering Department has provided the reliable mobility needed to cover an expanded area of responsibility. Propulsion has supported on-time underways allowing operation at the Charleston Naval Weapons Station and for SWAMPFOX 1-92 supporting forward deployed submarines on special operations. Engineering Department's superb material management was the key to completing the three month Phased Maintenance Availability (PMA) ahead of schedule while completing significant engineering upgrades.

- The 97 day PMA expending \$15.5 million and 144,336 manhours significantly upgraded the infrastructure of the engineering plant and the entire ship.
- Three main feed pumps were replaced by SHIPALT, two HPACs and three LPACs were removed from the ship for overhaul, and Number 2 evaporator was removed from the ship for tube bundle replacement. The PMA was completed on time mainly due to a very pro-active ship's force management team.
- Completed a 5 year inspection and overhaul of Number 1 main propulsion boiler including removal and replacement of the entire fireside floor and refractory. Also conducted an 18 month inspection and repairs to Number 2 boiler.
- Overhauled and upgraded laundry and dry cleaning equipment, galley, scullery and all other auxiliary equipment to an excellent material condition contributing to improved quality of life.
- Completed the following major work in addition to resolving over 17,000 shipboard generated trouble calls:
 - Overhauled fireroom and engineroom oily water separators.
 - Completed renovation of medical spaces contributing to increased efficiency in medical care.
 - Completed renovation of CPO galley improving ease of cleaning and maintenance.
 - Rewired numerous spaces that were renovated as part of the Phased Maintenance Availability including the Commanding Officer's cabin and the Squadron Commander's cabin.
- The Engineering plant steamed for 96 days, including 40 days underway with 36,633 miles steamed, supporting the mobility of this tender's IMA.
- Maintained all equipment in "Excellent" condition and space preservation and cleanliness were "Exemplary" as noted by the CINCLANTFLT Propulsion Examination Board. "Sustained superior performance never before maintained in a non-deployed tender, sets this Engineering Department apart as the best in the fleet."
- Corrected boiler forced draft blower "hunting" problem that had existed for the previous eight years. This corrective action increased boiler efficiency by approximately 15 percent.
- Conducted a comprehensive redistribution of ship's electrical loads. This technically demanding and manpower intensive project was successfully completed with no impact on ship's operational readiness and eliminated costly repairs.
- Conducted extensive repairs and safety upgrades to the ship's elevators and conveyors.
- Maintained two five ton traveling cranes, and one 30 ton boat and repair crane in top mechanical and electrical condition supporting over 10,000 lifts.
- Provided tended units with diesel engine, governor, injector, and transmission overhauls. Completed the repair and overhaul of several small boat engines and rewired several boats.

USS FRANK CABLE (AS-40) COMMUNICATIONS GREEN "C"

SUMMARY

Provided rapid, reliable communication support both inport and underway. Inport support covered the expansion of Submarine Squadron FOUR over the entire Charleston Naval complex. Underway communications were highlighted by FRANK CABLE being the Alternate Broadcast Control Authority during exercise SWAMPFOX '92.

- Provided SUPERB communications support for the embarked staff of Submarine Squadron FOUR, ten SSN's, one ASR, one TWR, and five SSBN's. An average of 9600 incoming and 1500 outgoing messages were processed per month utilizing the Standard Remote Terminal (SRT).

- Successfully demonstrated the Alternate Broadcast Control Authority (ABCA) concept of operations during Exercise SWAMP FOX 1-92. This required USS FRANK CABLE to transmit a VALLOR Submarine Broadcast for seven submarines while maintaining ten tactical communications circuits. A 99.8 percent broadcast reliability rate was maintained while processing over 4300 messages. This was only the third test of this capability within the Atlantic Submarine Force.

- Continued improved performance as shown by the type commander's Communications Readiness Evaluation (CRE) raising the overall grade from Average FY90, Above Average FY91, to EXCELLENT FY92.

- Continued to support Submarine Squadron FOUR units in communications support both at Pier "C" Naval Weapons Station Charleston, S.C. and Naval Station Charleston, S.C. from May to July 1992 contributing to submarine mobility.

- Implemented and installed the USMTF message program in record time.

- Completed numerous self-help projects significantly lowering the cost of a Planned Maintenance Availability and saving the Navy thousands of dollars in installation and overall costs. Specifically, the communications division overhauled 6 antenna systems, and installed four new AN/URT-23D's (one of which replaced an AN/URT-24) and one high power 35' whip antenna and coupler. In addition, the communications division completely renovated and preserved all associated spaces including the ship's incinerator space.

USS FRANK CABLE (AS-40) DAMAGE CONTROL RED "DC"

SUMMARY

Damage Control, marked by the proactive involvement of the Damage Control Division, has significantly increased capabilities of the ship to fight any casualty. This outstanding Damage Control capability has been demonstrated during all inspections where casualty control is evaluated as part of the inspection.

- Replaced 400 feet of CHT piping; rebuilt 4 CHT pumps, 3 aerators and 4 cominators. Overhauled all 5 CHT tanks.
- Rewrote the Main Space Fore Doctrine due to installation of the Halon system.
- Upgraded the material condition of all pump rooms.
- Trained in excess of 640 personnel for fire parties and repair lockers.
- Revamped the fire party qualification instruction ad standards in order to ensure continued improvement on the phenomenal gains that have already been realized.
- FRANK CABLE's new qualification manual requires increase level of Damage Control Qualifications for all hands to ensure continued improvement of the ship's ability to prevent and overcome any casualty.

USS FRANK CABLE (AS-40) SUPPLY BLUE "E"

SUMMARY

The Supply Department continues to provide the best logistics support in the fleet to the largest Submarine Squadron in the Navy. Outstanding supply support is the key to the exceptional material condition and outstanding logistics readiness found on the 23 ships supported during 68 maintenance availabilities. The Supply Department used TQL principles to improve the quality of service to the crew and Submarine Squadron FOUR by providing NEY quality meals, improving laundry and ship's store operations, and reducing pay problems, thereby significantly enhancing our sailors' quality of life.

- FIRST SUADPS PLATFORM IN THE NAVY TO SUCCESSFULLY IMPLEMENT THE IMMS INTERFACE MODULE to automate requisitions originated by the IMA, reducing issue processing time by one day.
- SUCCESSFULLY IMPLEMENTED A TRI-ANNUAL TENDER LOAD LIST REVISION which resulted in 3408 range adds, 1900 depth increases, and 11,107 offloads.
- DEVELOPED A NEW SUBMART PROCEDURE WHICH ELIMINATED USE OF A SERVMART SHOPPING LIST. This effort eliminated a significant administrative burden on supported units and on this ship.
- INITIATED MEDMART PROCEDURES WHICH ELIMINATED USE OF A SINGLE LINE NAVSUP 1250-1 for 9L cog items. This effort again resulted in reducing administrative workloads on supported units and divisions on this ship.
- Developed and constructed a DLR Storeroom arrangement that ensures 100% visibility of all DLR assets. USS FRANK CABLE WAS THE FIRST TENDER TO DOCUMENT 100% DLR INVENTORY ACCURACY DURING A SUPPLY MANAGEMENT INSPECTION, and this was also achieved under more stringent barcoded inventory procedures.
- In support of other submarines and surface ships who were forced to shut down their messes for maintenance upgrades, the Food Service Division PROVIDED OVER 16,100 RATIONS TO THOSE CREWMEMBERS during the previous 12 month period.
- The Food Service Division CONTINUED TO FEED NEY QUALITY MEALS ONBOARD THE SHIP TO OVER 1600 CREWMEMBERS AND SHIPYARD PERSONNEL A DAY DURING A 90 DAY PHASED MAINTENANCE AVAILABILITY. This was accomplished in spite of having no onboard chilled/frozen storage capability and suffering numerous interruptions to essential services such as steam, electricity, and CHT. Providing this service onboard the ship RESULTED IN A SIGNIFICANT REDUCTION IN LOST PRODUCTION MANHOURS which would have been necessitated by feeding the crew in a remote, off-ship location.
- INITIATED A SAME DAY LAUNDRY SERVICE which significantly enhanced crew morale and eliminated lost uniform claims.
- The Sales and Services Division CONTINUED TO PROVIDE LAUNDRY SERVICE TO THE CREW DURING A 90 DAY PHASED MAINTENANCE AVAILABILITY EVEN THOUGH THE ENTIRE LAUNDRY SPACE WAS BEING OVERHAULED. This necessitated using Ship's Servicemen at night on other ships.
- Through dedicated pay-problem resolution initiatives, ACHIEVED OVER 94% DDS PARTICIPATION, and assisted COMSUBRON FOUR in becoming the FIRST SUBMARINE SQUADRON TO ACHIEVE AN OVERALL DDS PARTICIPATION RATE OF 96%.

USS FRANK CABLE (AS-40) REPAIR RED "R"

SUMMARY

The heaviest loaded and best performing Repair Department in the fleet, it has met every task "head on" with aggressiveness and a desire to excel which has ensured no submarine missed an underway due to material condition. Contributed significantly to improved material condition of attached submarines as shown in TYCOM inspection results. During this period the Repair Department tended 23 units with 68 availabilities consisting of 9,016 jobs completed requiring 1,019,479 man hours of work. Significant accomplishments include:

- Performed 2 BACK to BACK primary coolant filter media discharges well ahead of schedule with no incidents, resulting in a cost savings of over \$3 MILLION DOLLARS.
 - Completed 3 Reactor Compartment Pressurizer Heaterwell SHIPALTs. USS FRANK CABLE is currently the only afloat IMA authorized to perform this SHIPALT.
 - Examples of this innovative work which saved money in times of tight budgets include:
 - Modified ships stern to accept 5 foot rotating brow platform. Cost savings of over \$100,000.00 below shipyard bid and estimated savings of over 150 mandays of shipyard work.
 - Manufactured and installed 2 Main shaft SSN rope guard assemblies while units were waterborne. This innovative approach negated the necessity for Dry Docking, hence saving SEVERAL HUNDRED THOUSAND DOLLARS in Dry Docking fees.
 - Accomplished fairing replacement on 2 AN/BRA-34 fairings. This task is normally a DEPOT level accomplishment. Estimated cost savings of over \$160,000.00.
 - Refurbished and replace several oxygen valves on tended units, saving many manhours of DEPOT level accomplishment and an excess of \$150,000.00 savings.
 - Provided support insuring completion of the 3 month shipyard Phased Maintenance Availability(PMA) including an upgrade of FRANK CABLE's basic infrastructure ensuring the ship's ability to operate with increasing effectiveness well into the future. Continued uninterrupted support of COMSUBRON FOUR submarine upkeeps during this period.
 - Accomplished 2 waterborne screw changes and 2 vortex dissipator cap replacements.
 - Designed, manufactured, and installed catwalks on the ship's diving boat as part of its overhaul which improved overall operation and reduced possible personnel safety hazards.
 - Demonstrated the ability to support submarines while forward deployed during SWAMP FOX 1-92.
- FRANK CABLE's Repair Department has continued to demonstrate its ability to handle the increased work load as the number of tended units increase through the use of innovative work practices and aggressive leadership, while simultaneously increasing the professional development of the crew.

USS FRANK CABLE (AS-40) WEAPONS BLACK "W"

SUMMARY

The Weapons Repair Department maintained the units of Submarine Squadron FOUR in the highest state of readiness completing all commitments on or ahead of schedule. The department also provided incident free tactical weapons handling support for visiting units from Submarine Squadrons TWO, SIX, EIGHT, and EIGHTEEN. In order to support the increased area of operations, weapons handling evolutions were conducted throughout the entire Charleston Naval complex. The Weapons Department provided manpower to preserve non-weapon spaces during the Phase Maintenance Availability, improving the basic infrastructure of the ship.

- Safely handled over 950,000 pounds net explosive weight consisting of over 600 MK 48 and ADCAP torpedoes, 140 cruise missiles, 5000 pyrotechnics and 200,000 rounds of ammunition.

- Completed Vertical Launch System certification for the TOMAHAWK Cruise Missile.

- Completed certification for Limited Life Component Exchange for the TOMAHAWK Cruise Missile.

- Completed a Naval Warfare Assessment Center (NWAC) Quality Assurance Inspection. The Weapons Quality Assurance program on board was noted as being "OUTSTANDING".

- Conducted over 1000 weight test and over 3000 Quality Assurance Inspections on Submarine Squadron FOUR tended units without incident.

- Completed a Phased Maintenance Availability (PMA) at Charleston Naval Shipyard. Weapons Department Personnel completed refurbishment of 56 spaces without loss of support for tended units.

- Provided exercise torpedo handling services for six units in Port Canaveral, Florida.

- Conducted daytime gunnery exercises and small arms qualifications for over 800 personnel during underway periods. These exercises thoroughly tested the ship's defensive system.

- Completed installation of Fleet Optical Scanning Ammunition Marking System (FOSAMS).

- Increase the professional standards of department personnel through lectures, seminars, comprehensive testing, professional qualification, advancement-in-rate, and warfare qualification.

USS FRANK CABLE (AS-40) DECK SEAMANSHIP WHITE "D"

SUMMARY

The Deck Department fully supported the tender's mobility, getting safely in and out of the moor at Charleston Naval Weapons Station, and providing small boat services to support Submarine Squadron FOUR drydock operations for two resin discharges. The Deck Department did extensive preservation both internal and external to the ship, ensuring FRANK CABLE will continue to provide the basic infrastructure to support the submarine fleet well into the future.

- Set the standard for professional performance in planning, organizing, training and supervising 125 personnel in Med Mooring FRANK CABLE at Naval Weapons Station, Charleston SC overcoming such adversities as one of the anchor leg spring lay wires being fouled around the mooring buoy anchor, and a retrieving messenger line being fouled around the buoy. The moor was successfully completed having only two personnel with Med Moor experience.
- Skillfully orchestrated a Shipyard availability for the 60 Ton Floating Crane (YD 232); interior and exterior spaces, associated equipment, and machinery, which ultimately produced an independent unit, unrestricted by logistics for its operators, resulting in unlimited operations.
- Managed a highly successful transition of Small Boat maintenance personnel from Engineering to the Deck Department. This has provided increased productivity and a totally balanced division of Small Boat Technicians and operator experts.
- Completely removed, preserved, and reinstalled PRC deck coverings on all exterior decks, including the Flight Deck, covering approximately 60,000 square feet. Preserved and painted over 180,000 square feet of hull surface. FRANK CABLE is recognized on every inspection and by all visitors as the cleanest and best preserved tender in the Submarine Force.
- Performed over 1,500 small boat runs for USS FRANK CABLE and tended units of Submarine Squadron FOUR. Serviced included: Towed array retrieval/deployment and waterborne transfer of over 250 MK 48 torpedoes and Harpoon missiles.
- Conducted over 10,000 crane lifts involving over 300 tactical weapons and the replacement of two submarine screws.
- Developed and implemented a completely computerized and totally automated data collection system to monitor Small Boat and Crane Service, man hours expended monthly, preventive maintenance accomplished, operational, down, and repair time.
- Completed 110 controlled work packages, 80 rigging jobs, and manufactured over 60 mooring lines for tended units.
- Completed major hull renovation of USS FRANK CABLE CO's Gig, two 50 foot utility boats, and two forty foot utility boats. All were completed at considerable cost savings to the government.

USS FRANK CABLE (AS-40) MEDICAL YELLOW "M"

SUMMARY

The Medical Department has provided outstanding health care to over 1500 crew members and the 2000 personnel of the 17 ships assigned to Submarine Squadron FOUR. This department has established a new standard of efficiency in Navy Medicine by providing more comprehensive medical care, for more people, with fewer providers, in less time. The Medical Department has pioneered new programs to ensure occupational health standards meet OSHA standards. Medical spaces were renovated, improving the health care facilities and leading to improved patient care.

- Provided over 14,276 patient care visits, a 56% increase, while improving patient care.

- Performed 15,769 laboratory tests, a 63% increase.

- Conducted 1,940 audiograms, a 46% increase.

- Provided 8,639 pharmacy units, a 46% increase.

- Established a "first of it's kind" occupational health database for tracking the status of personnel who have been placed into one or more occupational health surveillance programs that is a model for other tenders to follow.

- Instituted a sexual education program that has stabilized the pregnancy rate and reduced the incidence of sexually transmitted diseases by more than 50%. Pioneered the use of Norplant, 5-year birth control implants, in over 50 FRANK CABLE women sailors.

- Completely renovated all medical spaces including installation of easily maintained and sanitized decks, replacement of overheads which corrected a long standing INSURV discrepancy, and paint out of all spaces. This was accomplished with no compromise to medical care by relocating to the NAVSTA Branch Medical Clinic.

Significant improvements in medical care and outpatient health programs set this Medical Department as head and shoulders above the rest of the fleet.

USS FRANK CABLE (AS-40) DENTAL YELLOW "D"

SUMMARY

The Dental Department is characterized as an aggressive hard working cohesive unit, increasing dental readiness for all supported units, and at the same time for constantly improving the quality and efficiency of service. The Dental Department is currently responsible for providing comprehensive dental treatment to over 3,500 personnel including ship's company as well as the staff and units of Submarine Squadron FOUR.

- Upgraded the shipboard dental facility by adding an additional dental operating room to increase productivity.
- Added a Central Sterilization Room to increase efficiency and provide state of the art infection control procedures.
- Upgraded panoramic radiograph machine and dental x-ray processing capability thus improving quality of dental diagnostic radiographs.
- Increased dental readiness for AS-40 to a record level of 86%. This was accomplished during a period of increased numbers of units assigned to COMSUBRON FOUR and an increase in the number of personnel assigned to USS FRANK CABLE.
- Increased dental readiness of the entire Submarine Squadron FOUR patient population to 85%.
- Achieved an average dental readiness of 97% for deploying submarines.
- Implemented MNEADS dental database allowing tracking of patient treatment needs in addition to readiness statistics. Utilized this database for management of dental recall programs, tracking of dental patient needs and appointing patient treatment in order to maximize dental readiness.
- Sponsored and organized an all day joint dental continuing education course for dental officers of the Navy, Air Force, and Public Health Service.
- Provided ongoing fleet liaison for Independent Duty Corpsman for units of COMSUBRON FOUR. Conducted comprehensive one on one training and patient specific counseling in preparation for management of underway dental emergencies.
- Provided the support to the Command through the following collateral duties: Voting Officer, Saving Bond Drive, Combined Federal Campaign Fund Drive, Navy/Marine Corps Relief Society Fund Drive, Command Competition Advocate, Tax Assistance Officer, Command Training Team, Instructor for Career Information Team, Assistant PRT Coordinator, Professional Development Board Member, and Instructors for CPO and PO indoctrination.

UNDERWAY EVOLUTIONS FOR FY92

PERIOD	EXERCISE/LOCATION
13 Jan - 17 Jan 92	ISE
27 Feb - 12 Mar 92	OPPE/CRE
20 Mar - 31 Mar 92	SWAMPFOX 92
18 Jun - 29 Jun 92	Port Canaveral, FL
11 Nov - 19 Nov 92	Port Everglades, FL