



DEPARTMENT OF THE NAVY  
USS FRANK CABLE (AS 40)  
FPO MIAMI 34086

01A  
17 SEP 84

From: Commanding Officer, USS FRANK CABLE (AS-40)  
To: Director of Naval History (OP-09B9) *1983(?)*  
Subj: USS FRANK CABLE (AS-40) COMMAND HISTORY ~~(1984)~~ *1983-84*  
Ref: (a) CNO ltr NHC/SH Ser 2454 of 9 AUG 84  
Encl: (1) BATTLE "E" NOMINATION FOR USS FRANK CABLE (AS-40)  
1. Enclosure (1) is forwarded in accordance with reference (a).

*H. W. Fitzgerald*  
H. W. FITZGERALD  
By direction

....PLEASE NOTE:

Believe this command history is for calendar year  
"1983", since the ship submitted a 1984 command history  
on 30 August 1985! (THIS IS ONLY AN ASSUMPTION, we have  
no way of confirming this , other than to contact the ship).

Ships' Histories Staff

*[Handwritten signature]*

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

A. Nomenclature

1. Ship (Name/Hull Number): USS FRANK CABLE (AS-40)
2. Group/Squadron assignment: Submarine Group SIX/Submarine Squadron FOUR
3. Homeport: Charleston, South Carolina
4. Days Underway (FY): 19
5. Days Tending (FY): 193
6. Average Manning (Total): 1,200

B. Material Support

1. Results of QA audit: Average
2. Results of PARE audit: Above Average
3. IMMS evaluation Audit: Above Average
4. Ship Cleanliness: Above Average
5. List any unique significant repairs performed on tended units:
  - a. Completed the in-place overhaul of six 300KW Ship Service Motor Generator Sets (SSMG's) without the need for major hull cuts or outside assistance.
  - b. Completed the in-place overhaul of eight 43.2 KW motor generators that required complete disassembly, cleaning, rotor removal repair and replacement. FRANK CABLE is The recognized expert in this important area, a testimonial to this fact is that these repairs have been completed in four to five days with no rework.
  - c. Completely retubed and replaced erroded tubes and tube sheets for FRANK CABLE's three installed R-114 air conditioning heat exchangers without the need for outside contractual support at a savings of \$238,000.00. These repairs are normally Shipyard/Depot level maintenance repairs.
  - d. Manufactured molds and fabricated ice caps for the AN/BLA-4 ESM mast and mast fairing spacers for the AN/BRD-7 antenna Ship's Alterations (SHIPALT) previously accomplished only by Portsmouth Naval Shipyard Submarine Repair Depot.
  - e. The only IMA to completely overhaul, repair and refurbish mast and antenna fairings. Other IMA's contract out these refurbishments or refer them to a local Naval Shipyard.

f. Successfully completed a Steam Generator Eddy Current Inspection on a nuclear submarine. Note this inspection was completed ahead of schedule and with significant man-rem savings. The timely completion of this job enabled the FRANK CABLE to enter her Shipyard Availability on schedule.

g. Accomplished complex nuclear repairs on several main coolant cutout valve canopy seals in a markedly short period of time to support tended units pre-overseas movement (POM) deployment.

h. Corrected a major builders design defect to the FRANK CABLE's Radioactive Waste System piping, requiring precision radical pipe bends and fit up in order to recertify the ships Primary Relief Valve Testing capability.

i. Completely rebuilt main shaft/thrust bearing resonance changer in an extremely short period with no outside assistance. This repair is normally beyond an afloat IMA capability.

j. Completed two special underwater submarine tow installations and three waterborne propeller changes to tended units. One of which was accomplished in an unprecedented twenty-nine (29) hours.

- |   |                      |
|---|----------------------|
| 6. Results of 3-M audit:                        | Satisfactory (94.7%) |
| 7. Results of RCPE:                             |                      |
| a. Operations of drills:                        | Below Average        |
| b. Material Condition                           | Excellent            |
| c. Cleanliness, Preservation and Storage:       | Average              |
| d. Radiation health:                            | Above Average        |
| e. Administrative procedures:                   | Below Average        |
| f. Level of knowledge:                          | Average              |
| 8. Results of Propulsion Plant Examining Board: |                      |
| a. Material                                     | Satisfactory         |
| b. Preservation and cleanliness:                | Satisfactory         |
| c. Administration:                              | Satisfactory         |
| d. Level of knowledge:                          | Satisfactory         |
| e. Drills and training:                         | Satisfactory         |
| f. Evolutions:                                  | Satisfactory         |

9. Are the following programs effective:

- a. Ship safety (Industrial): Yes
- b. Resources conservation: Yes
- c. Electrical safety: Yes
- d. Asbestos safety: Yes

10. Number alterations performed:

- a. On tended units: 317
- b. On tender: 15

11. IMA Production Data:

- a. Number personnel assigned repair: 297
- b. Total productive man-hours expended: 569,737
- c. Productive man-hours expended per man: 1,914.82

C. Supply Support

1. Supply Effectiveness

- a. Gross effectiveness (yearly average taken from monthly SUADPS reports) 73.73%
- b. Net effectiveness (yearly average taken from monthly SUADPS reports) 84.16%
- c. Requisition workload (average per month taken from monthly SUADPS reports) 6,559 per month

2. Inventory Management

- a. Inventory Validity (taken from latest Supply Management Inspection) 78.34%
- b. Unauthorized Long Supply (taken from current SMMA/SAL Report)  
NSA 10.47% APA 0%

- 3. Disbursing - Percentage JUMPS error rate (yearly average taken from Monthly Performance Reports) 1.9%

4. Ship's Store

- a. Stock Turn Ratio (taken from Navy Resale System Office (NAVRESO) Analysis Report) 1.45% (Average per accounting period)

b. Percentage gross profit realized (taken from NAVRESO Analysis Report) 14.77% (Annual average)

c. Inventory Validity (taken from latest SMI) 97%

5. Food Service - Inventory Validity (taken from latest SMI) 100% NEY Award Winner

**D. Operational Capability**

1. Command Operational Readiness Inspection: NOT APPLICABLE

**E. Weapons Repair:**

1. Overall NTPI/NWAI Results: Satisfactory

a. Administration: Excellent

b. Safety: Excellent

c. Security: Outstanding

d. Technical Operations and Procedures: Acceptable

e. Command and Control Procedures: Excellent

f. Nuclear Weapons Emergency Destruct Capability: N/A

g. Supply Support and War Reserve Accountability Procedures: Outstanding

h. Nuclear Weapons Accident/Incident Drill and Equipment: Outstanding

i. Damage Control and Radiac Equipment: Excellent

j. Nuclear Weapons Radiological Controls Program: Excellent

2. TWCR: / Satisfactory

3. Completed Tomahawk Conventional Weapons Certification.

4. Torpedo Shop Effectiveness:

	<u>*Number Units Handled</u>	<u>**Number Units Prepared</u>	<u>Number Units Ovrhld</u>	<u>Number Exercise Units Erratic</u>
a. MK37	0	0	0	0
a. SUBROC	54	18	18	0
c. MK 48	621	400	0	0
d. HARPOON	32	0	0	0
e. MK34/MK36	39	0	0	0
f. MK57	44	0	0	0

\*Actual number of units moved from and to tender - all moves.

\*\*Number of units prepared for issue to submarines to include warshots and exercise torpedos.

5. QEL Surveillance (number of major deficiencies): None

6. Quality Assurance Audit Deficiencies: 1

7. SUBROC/POSEIDON/TRIDENT OT FLT Performance: None

8. Number alterations performed:

a. On tended units 0

b. On tender 0

9. IMA Production Data (For Calendar Year)

a. Number personnel assigned repair: 49 (12 Month AVG)  
(80% Weps Rep)

b. Total productive man-hours expended: 100,921 as of 17 AUG 84

c. Productive man-hours expended per man 1,261.5

F. Personnel Management

1. Reenlistment data

	<u>12 Month</u>			<u>6 Month</u>		
	1st	2nd	3rd	1st	2nd	3rd
	<u>Term</u>	<u>Term</u>	<u>Term</u>	<u>Term</u>	<u>Term</u>	<u>Term</u>
a. Total ineligible	4	1	0	1	0	0
b. Total eligible	134	27	37	90	15	22
c. Total reenlistment	77	24	31	51	13	19
d. % (c - a + b)	56	86	84	56	87	86
e. Nuclear eligible	0	0	1	0	0	1
f. Nuclear reenlistment	0	0	1	0	0	0
g. % (f - e)	0	0	100	0	0	0
h. Guard Program utilization (past six months)						
(1) Requests submitted:			48			
(2) Requests approved:			43			
(3) GUARD reenlistments:			22			
24 Others pending NMPC approval and reenlistment dates						
i. STAR Program reenlistments in past six months:				4		
j. Guaranteed Duty Incentive Reenlistment						
(1) Submitted:	4					
(2) Approved:	4					
(3) Reenlisted:	4					
k. Number of nuclear trained personnel receiving PRO Pay:				18		

2. Advancement Results

a. Results of the last advancement examination.

	<u>For Paygrade</u>				
	<u>E-4</u>	<u>E-5</u>	<u>E-6</u>	<u>E-7/8/9</u>	<u>TOTAL</u>
(1) Number of personnel on board on exam date	291	305	256	261	1,113
(2) Eligible by time in rate/service	213	239	143	105	700
(3) Recommended	89	213	34	109	442
(4) Took test	85	210	30	104	429
(5) Failed	2	13	5	10	39
(6) Passed but not advanced (PNA)	60	136	12	82	290
(7) Advanced (Selectee)	23	61	13	12	109

3. Disciplinary cases in past twelve months:

- a. Total NJP Masts: 248
- b. Number of special or summary courts martials: 18
- c. Primary causes for disciplinary cases:
  - (1) Primary: Drug Abuse
  - (2) Secondary: Unauthorized Absence

4. Number of drug related disqualification reports submitted in past twelve months: 1

5. Officer Selection Programs

	<u>Number</u> <u>Recommended</u>	<u>Number</u> <u>Selected</u>
a. Warrant	1	1
b. Limited Duty Officer	2	0
	7 are recommended for the September 1984 LDO Board.	
c. Enlisted Commissioning Program	0	0
	5 are recommended for the September 1984 Warrant Board	

6. Non-Rated Personnel:

a. Non-rated personnel sent to "A" school in the past twelve months.

21

b. Non-rated personnel on board for two or more years.

22

7. Officer Retention:

a. Number of officer resignations in the past twelve months.

0

b. Average leave balance for officers.

48



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

1. Operational Performance

a. USS FRANK CABLE met each and every operational commitment in outstanding fashion during Fiscal Year 1984. Tasked to support the largest attack submarine squadron in the United States Navy, (twelve SSN's, one SS, two ASR's), she continues to demonstrate the ability to handle any challenge presented. No squadron unit has missed an operational commitment as a result of material or logistics shortfalls since FRANK CABLE commenced the tending duties for Submarine Squadron FOUR. Highlights of the 1984 inspection list illustrate FRANK CABLE's absolute superiority in all categories of readiness.

b. "Do the job and do it right" is the pervasive spirit throughout each department of the tender. This ideology is reflected in the positive approach given to seemingly monumental jobs. To illustrate, FRANK CABLE completed it's first steam generator eddy current inspection with little difficulty and with the least amount of man-REM expended to date.

2. Weapons Repair Readiness

a. The Weapons Repair Department maintained all assigned units in a high state of readiness, completing every commitment on schedule. In addition to routine services, FRANK CABLE's Weapons Repair Department safely handled 621 MK-48 torpedoes, 32 Harpoon Missiles and 44 MK-57 mines. These figures represent at least 70% of all tactical weapons traffic to and from Naval Weapons Station, Charleston, SC. Additionally 240,144 rounds of small arms ammunition and 13,504 pyrotechnic devices were transferred. The Quality Assurance Division conducted 1,123 MK 48-torpedoes QA inspections with 242 failures, 1,027 weight test evaluations with 23 failures, 6,872 SUBROC inspections with 40 failures and 42 Harpoon Missile Inspections with 14 failures.

b. FRANK CABLE Weapons Repair Department received grades of satisfactory (only sat and unsat considered) for its safety survey. Magazine Sprinkler System Inspection, Quality Assurance Inspection, Explosive Safety Survey, Tactical Weapons Capability Review, and Navy Technical Proficiency Inspection. FRANK CABLE's magazine were judged "best ever seen" by the Inspection Team. Elevators and Cranes were judged "best in the fleet". FRANK CABLE's Weapons Department was certified to handle Conventional Tomahawk missiles.

c. The department conducted a multitude of gunnery exercises expending 2,048 rounds of 20MM ammunition, 6,500 rounds of .50 caliber ammunition, and 20 rounds of 40mm ammunition. The exercises not only trained and maintained the expertise of the gun crews, they also provided valuable shiphandling training for OOD's who maneuvered the ship to bring targets representing smallboats and mines into range.

3. Material Readiness

a. The Engineering Department is extremely well organized, as evidenced by the following accomplishments:

(1) Due to Engineering Department's high level of material readiness every underway was met on schedule.

(2) All Engineering Department repair and hotel services were completed on tended submarines without any delays or refit deferrals.

(3) Overhaul of GB-2A 02N2 production plant which enabled FRANK CABLE to complete it's first submarine oxygen charge and sixteen nitrogen charges.

(4) Installation of the Dimension 2000 phone system consisting of 700 phones installed.

(5) Galley and Enlisted Dining Facility equipment under Engineering Department cognizance received zero discrepancies during the NEY competition.

(6) Both main propulsion boilers are maintained in superior operating condition continually receiving the highest possible ratings on boiler flex's and full power demonstration.

(7) Engineering Department designed, constructed and operates the Ship's Gym.

(8) FRANK CABLE's last Operational Propulsion Plant Examination (OPPE) was completed satisfactorily. It was the first inport OPPE for a COMSUBLANT unit.

(9) Installed phones, electrical distribution, ventilation, and air conditioning system when the Administrative, Personnel, Legal, Disbursing and Chaplain's offices moved to be centrally located to serve the crew of FRANK CABLE and COMSUBRON FOUR.

(10) Completed the Selected Restricted Availability nine days early.

b. Deck Department support has been outstanding! The following are major accomplishments of Deck:

(1) Provided for rigging and linehandling support for 225 unit movements.

(2) Provided lifeboat services to all arriving and departing units.

(3) Provided in excess of 3,650 crane lifts.

(4) Provide and operated security boats for weapons transits.

(5) Conducted personnel transfers for operating units.

(6) Provided placement of all submarine separators and deep draft camels.

#### 4. Supply Readiness

a. The Supply Quality Assurance Division aboard FRANK CABLE is a unique innovation aboard SUBLANT Tenders. A billet description has been developed and the position has been filled by a Lieutenant out of the current manning structure. The scope of this team's audits has been expanded to include the review of all areas in Supply and has been instrumental in improving supply response and effectiveness.

b. The Food Services Division has a continuing record of excellence. After winning first place in the 1982 Ney competition, a close second place in the 1983 competition, FRANK CABLE again won top honors in the 1984 Ney Award competition, Large Afloat Category. Both the Ney inspectors and a recent Supply Management Inspection team were particularly impressed with the 100% inventory validity, flawless records, and superlative cleanliness and sanitation. Their conclusion: The food service operation aboard the USS FRANK CABLE is clearly the best in the Navy!

c. The Disbursing Office has implemented a very advanced pay system known as Uniform Microcomputer Disbursing System. This is by far more efficient than any pay system in operation in the fleet. The Disbursing Office has full control in producing checks and all reports necessary to support the Disbursing Officer's financial returns. The Disbursing Division operated with an average JUMPS error rate of 1.9% well below the TYCOM standard. The Disbursing Office transmitted an average of 8,263 OCR documents on a monthly basis. The number of pay accounts maintained increased from 2,200 in the summer of 1981 to the current figure of 3,000. Travel claims processed average 280 per month. The volume of disbursements increased from \$3.0 million in July 1982 to over \$3.5 million in July 1984.

d. The Stock Control Division improved almost every management standard in the past year as noted by the SMI Team. This is a result of the aggressive training and hard work conducted by all involved. Financial management continues to maintain positive control of OPTARS not only the FRANK CABLE but all fourteen tendered units. Stock Control has spearheaded a significant improvement in supply effectiveness that allows us to better serve our submarines.

e. The Supply Support Center provided extraordinary service to the largest Submarine Squadron in the U. S. Navy. Over 3,200 customer requisitions were processed monthly of which 150 to 300 high priority requisitions items were monitored expeditiously at any one time. A CRT terminal links the FRANK CABLE directly to the Supply Center for stock and requisition status as well as requisition input, a unique innovation for the entire Atlantic Fleet. The Supply Support Center recently instituted the "Boat Monitor" Program, providing improved supply support to all tended units, and at the same time improving document control.

f. The Automated Data Processing Division has shown true professionalism as evidenced by SMI commendatory comments on the overall improvement in ADP operation. These improvements reflect the hard work and the positive attitude of all personnel assigned. FRANK CABLE was one of the first submarine tenders to receive the UYK-65 computer. As a result of the superb pre-planning and intensive training that went into this evolution, the conversion was one of the smoothest installations to date. The smooth implementation of the UYK-65 computer based system led SUBLANT to task FRANK CABLE's ADP division to provide training on the new procedures and give assistance to other SUBLANT tenders. Data Systems Technician Maintenance personnel initiated a comprehensive maintenance system that has resulted in less than 2% down time on the system.

g. Repair of Other Vessels Supply Support Division (ROVSS) has improved in every area of support to the IMA. ROVSS processes 2,200 requisitions monthly, of which 1,400 are high priority for the Repair Department. ROVSS has implemented a boat monitor concept which has greatly increased the quality of customer service and monitoring of all requisitions. The Inforex Computer System has proven invaluable to ROVSS. Inforex System has been installed on other SUBLANT tenders using FRANK CABLE as a model.

h. The SMI team rated the Stores Division as the "Best in the fleet" for overall material conditions, cleanliness and stowage of all storerooms. Special mention was made of the upgrading of the Transit Shed, metal hold area and the superior conditions of the flammable liquid storerooms. This is indicative of many hours of hard work and reflective of obvious pride of ownership.

i. The Retail Sales Division, through improved merchandising and special order procedures, has increased the variety and quality of merchandise available to its customers. A wide range of stereos, uniform articles, and athletic clothing is carried in the Ship's Store. The vending machine room has been refurbished and upgraded. A full service daily laundry operation was established for all FRANK CABLE crew members. The barber shop provides not only a special seat for First Class Petty Officers, but also provides a barber schooled in the art of cutting female hair.

#### 5. Communications Readiness

a. The FRANK CABLE Communications Center supports the embarked staff and the fifteen units of SUBRON FOUR with efficiency plus. An average of over 9,000 messages, requiring more than 200,000 copies for distribution, were processed by communications personnel each month. All of this message traffic was processed utilizing a 100 WPM teletype/tape system without the benefit of high-speed automated processing and distribution systems.

b. FRANK CABLE Communications personnel demonstrated their readiness for mobilization by flawless performance during underway training periods. During each underway FRANK CABLE participated satisfactorily in a complete series of ESTEEM HIGHLY/ESCROW ACCOUNT communications drills administered by the ISIC.

c. In April 1984 FRANK CABLE was assigned duties as Launch Area Support Ship for a Demonstration and Shakedown Operation off Cape Canaveral. In addition to providing outstanding communications support for the scheduled events, FRANK CABLE communications personnel exhibited unsurpassed dedication and versatility in their expedient response to the emergent communications required of FRANK CABLE as the first ship on the scene of an open ocean helicopter crash.

d. A grade of satisfactory was received for every communications inspection with laudatory comments from every inspector.

## 6. Training Exercises

FRANK CABLE crewmembers participate in organized weapons, damage control and radiological controls drills twice weekly. Many inspectors during 1984 have commented on knowledge level, quick response and enthusiasm. It is evident through her successful inspection success rate that FRANK CABLE knows how to effectively drill and effectively train her personnel to handle routine operations as well as casualty situations. The inspection list contained in item twelve reiterates this.

## 7. Morale

a. FRANK CABLE has distinguished herself with an ever-present "can do" spirit among the crew. Supported by a sturdy chain of command, the decisions of the Commanding Officer are well-received by the crew, and leave no doubt that leadership starts at the top. His emphasis on maintaining high standards of professional performance has continuously been imparted to the crew. This command-level attitude resulted in FRANK CABLE reenlisting 132 of 198 eligible personnel thus far during Fiscal Year 1984. These statistics represent an increase in reenlistments in one year.

b. Shipwide interest in the Enlisted Surface Warfare Specialist Qualification has been promoted this year, with the Chief Petty Officers leading the way. For dolphin wearers aboard FRANK CABLE the ESWS qualification becomes a second warfare specialty, and their enthusiasm for both is strong. In addition to formal weekly ESWS training many shops conduct additional ESWS training during lunch hours and off-duty times.

c. FRANK CABLE has upheld her impressive community service record during 1984. For the fourth year in a row, ship's company personnel provided escorts for the annual Miss South Carolina Wheelchair Pageant. In addition to the escorts, FRANK CABLE made a \$500.00 contribution to sponsor the pageant. Eager to participate in the Charleston Easter Seal Telethon, FRANK CABLE provided over sixty personnel as telephone operators and parking lot attendants at this annual event. Over \$1,600.00 was donated to Easter Seals from FRANK CABLE's crew. Two other local organizations have received consistent support from FRANK CABLE during 1984. "My Sister's House", a home for battered wives and their children, and "Crossroads", a home for runaway children. The crew has given support through volunteering of time, cash donations, food, and clothing. In an effort to truly "take care of it's own", FRANK CABLE personnel also contributed \$13,500 to the annual Navy Relief Drive. To date, \$1,800 has been contributed by the crew to the current March of Dimes fund raiser. Additionally, personal hygiene items, clothes and sheets were given to a local orphanage with money from crew contributions.

d. The gymnasium has been completely renovated. It is now outfitted with a complete set of exercise equipment and weights. An experienced weight lifter is in the gym at all times while the gym is open to teach interested personnel how to properly lift weights.

e. The "Cable Car" has been initiated which is a great boost to morale. Commencing at liberty call transportation is provided each day to local movies, shopping malls and beaches. On Sundays transportation is also provided to churches.

f. All aspects of FRANK CABLE's personnel management and training have met with outstanding results as witnessed by the highly favorable Human Resources Availability conducted in February 1984.

## 8. Personnel Readiness

a. Every aspect of personnel management is outstanding. Welcome aboard procedures, sponsor programs, training programs, affirmative and command action program, advancement programs, and disciplinary processes are all precisely written, understood by the crew, and followed by every echelon in the chain of command. Particularly impressive is the command's "Advancement and Basic Leadership Effort" (ABLE) Manual, which contains all personnel oriented programs under one cover. This exceptionally comprehensive instruction addresses such items as command mission, crewmember responsibilities, striker program, and command advancement program. As a result, the information flow, both up and down the chain of command, is superb.

b. FRANK CABLE's "people orientation" is clearly evidenced by her effective utilization of man/mission resources. Both male and female personnel have been successfully integrated into the crew, and all perform professionally as shipmates. Command attention is appropriately focused on the Indoctrination "I" Division training program which is attended by all enlisted personnel upon reporting on board. Headed by a front running Chief Petty Officer, "I" Division provides training in ship familiarization, security briefings, radiological controls, human resources management, military rights and responsibilities, cultural expression, damage control and personnel qualifications standards. In addition, briefings are conducted on the following subjects: Navy's Drug and Alcohol Programs, Educational Services, Legal Services, 3M programs, Chaplain Services, Special Services, Disbursing Office Services, Postal Services, Weapons Safety and Security, Electrical Safety, Leave and Liberty Policy, and Equal Opportunity Policy. Finally, the Commanding Officer, Executive Officer and Command Master Chief personally brief each "I" Division Class. Without exception, the "I" Division critique sheets indicate that crewmembers feel this is the most comprehensive indoctrination training they have ever attended.

c. Commanding Officer, USS FRANK CABLE was the only Commanding Officer to attend the Submarine IMA Reserve Meeting in Norfolk earlier in the year. FRANK CABLE utilizes to the maximum all reservists on "WET" weekend drills and on Active Duty for Training.

## 9. Repair Proficiency

a. The Hull Repair Division has continued to improve in all areas, providing quality repairs to submarine tended units and in the support of other repair divisions. The Weld Shop has recently completed major repairs to FRANK CABLE's Radioactive Liquid Waste (RLW) piping system to repair defective and flawed installed piping. Also, of particular interest was the overhaul and repair of FRANK CABLE's three installed Air Conditioning Heat Exchangers. These heat exchangers were retubed and overhauled at a savings of \$286,000.00 and FRANK CABLE is the only IMA to have taken the initiative to complete these repairs. The Nuclear Welding repairs to numerous charging, primary relief and discharge valve repairs and replacement on board tended submarine units reflect the overall "can do" attitude of the Hull Repair Division.

b. The Inside Machinery Repair Division efforts in the precision milling of tube sheets for the Air Conditioning Heat Exchangers were of the highest quality and proved the capability of FRANK CABLE's Machinery Repairman to manufacture critical parts with precision tolerances. The effectiveness of the Mechanical Standards Laboratory has improved and is considered by other IMA's as a model to emulate. Its Optical/Periscope Repair Shop provides quality and effective repairs and alignments to twelve submarine units. The Periscope Repair Shop has completed all outstanding Type-18 periscope ships alterations and sets the example for others to follow.

c. The Electrical Repair Division is a proven expert in 43.2KW and 300KW ships service motor generator in-place repairs and rewinding tasks, completing eight motor generator overhauls on six tended units. It's support of Gyro Compass, electrical cabling and hull fitting repairs have allowed all tended submarine units to meet vital operational commitments.

d. Because of the Electronics Repair Divisions technical competence, the wholesale changeout of electronics equipment is virtually non-existent. The Electronics Repair Division routinely overhauls TY-18 periscope slip ring assemblies and completely overhauls and repairs AN/BRA-34 Communications Antenna Radomes, Masts and their associated hoisting mechanisms.

e. The Nuclear Support Facility has provided superior and timely support to Submarine Squadron FOUR. Coordination and efficiency have been evident in meeting Squadron FOUR requirements pumping thousands of gallons of pure water daily, repairing and calibrating a variety of radiacs, receipting for and shipping of all types of radioactive waste, and supplying special test equipment. Their established proficiency in steam generator inspections allowed the timely completion of inspections with significant man-rem savings.

f. The Planning and Estimating Division provided detailed work procedures to ensure the proper accomplishment of repairs to nuclear and non-nuclear system and components. The technical information that is required to prepare these procedures is maintained by the Repair Library which consists of over 10,000 technical manuals 1.5 million aperture cards and 20,000 micro-fiche cards. The Planning and Estimating Division has completed over 1000 subsafe or controlled work packages to date.

g. The Quality Assurance Division developed a formal "controlled work package close-out check-off program" that has significantly reduced the number of administrative errors that occur in the documentation of the high volume of repair work performed by FRANK CABLE. The division also initiated a Quality Assurance Audit and Surveillance Program that has subsequently been adopted by the Type Commander for implementation at all COMSUBLANT IMA's. Its insistence on a thorough system of checks and balances provided above average quality repairs with minimum job rework.

h. The Outside Machinery Repair Division, working in close conjunction with the divers, routinely changes screws on tended units in an unprecedented average of two days. This shop also overhauled three large multi-stage, multi-vane centrifugal pumps and two trash disposal units, a job normally identified for shipyard repairs.

#### 10. Medical Readiness

a. The Medical Department of the USS FRANK CABLE is tasked with maintaining the health and hygiene of the ship's force and with providing ancillary support to tended submarines. This mission is accomplished in a highly efficient and professional manner. An average of 550 outpatient visits and 1,400 adjunct services were performed each month.

b. FRANK CABLE Medical Department received a grade of satisfactory (only SAT and UNSAT considered) for its Medical Readiness Inspection. In addition, Medical Department personnel contributed significantly to the successful completion of command OPPE, TWCR and NTPI inspections as well as to the winning of the 1983 Ney Memorial Award.

c. Medical Department responsiveness and dependability were instrumental in rendering medical care to three rescued members of an Air Force CH-3 helicopter crew which crashed into the ocean off Cape Canaveral in April 1984.

11. Dental Readiness. The Dental Department has been instrumental in upgrading the readiness posture of Submarine Squadron FOUR. Increased efficiency and decreased failure rates for Dental appointments resulted in the examination of 3,616 patients, and the comprehensive treatment of 3,071 others. This was accomplished with a patient to dentist ratio of 1:1250. A computerized Dental Status Reporting/Recall System has been established and is currently being utilized. The Dental Spaces have been significantly revised and upgraded with minimal expense and no loss of treatment time.



<u>12. Inspections</u>	<u>Grade</u>
a. Industrial Plant Equipment Inspection	SAT
b. Radiological Controls Practices Exam	BELOW AVERAGE
c. Proficiency & Readiness Evaluation (PARE)	AVERAGE
d. Quality Assurance Audit	AVERAGE
e. Navy Technical Proficiency Inspection (NTPI)	SAT
f. Tactical Weapons Capability Review (TWCR)	SAT
g. Explosive Safety Survey	SAT
h. Magazine Sprinkler System Inspection	SAT
i. Operational Propulsion Plant Examination	SAT
j. CMS Inspection	SAT
k. Cosmic Control Point Inspection	SAT
l. Supply Material Inspection	AVERAGE
m. Medical Readiness Inspection	SAT
n. 3-M Inspection	SAT
PMS evaluation	SAT
PMS performance rate	88%
MDS evaluation	SAT
CSMP usefulness	92%