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DEPARTMENT OF NAVY
USS EMORY S. LAND (AS-39)
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From: Commanding Officer, USS EMORY S. LAND (AS-39)
To: Director of Naval History (OP-09BH), Washington Navy
Yard, Washington, DC 20374

Subj: USS EMORY S. LAND (AS-39) COMMAND HISTORY FOR CALENDAR
YEAR 1991

Encl: (1) Organization Structure
(2) Biography and Photograph of Commanding Officer,
Captain L. T. Keegan
(3) Biography and Photograph of Executive Officer,
Commander R. J. Heim

1. Command Composition and Organization. USS EMORY S. LAND is a nuclear repair capable submarine tender, Its mission is to provide services and intermediate level maintenance to 688 Class submarines. During 1991 the ship was composed of ten departments with a total crew complement of 55 officer and 1,349 enlisted personnel. The ship supported 20 688 Class Nuclear Attack Submarines and one floating Drydock (RESOLUTE (AFDM-7) assigned under Commander, Submarine Squadron EIGHT (COMSUBRON 8) which is the ship's immediate senior command. USS EMORY S. LAND is homeported at Pier 23, Naval Station Norfolk, Virginia and is Commanded by Captain L. T. Keegan. The ship's Executive Officer was Commander R. J. Heim. The ship's organization structure is outlined in enclosure (1). A biography and photograph of the Commanding Officer and Executive Officer, is provided as enclosures (2) and (3).

2. Chronology

<u>Day/Month</u>	<u>Significant Events</u>
January	
8th	Implemented Shipboard Uniform Automated Data Processing System (SUADPS) Release 3.0.
15th	Installed CONEX Box storage system at the Site Support Warehouse (CEP-204).
28th - 30th	Medical Readiness Inspection conducted with a grade of "Satisfactory". Areas inspected included Occupational Safety and Health Programs.

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February

1st Implemented new ADP Production Control Procedures.

6th Completed a Nuclear Weapons Acceptance Inspection with a grade of "Satisfactory".

8th Underway enroute Port Canaveral, Florida.

11th - 19th Port visit Port Canaveral, Florida.

11th KWR-37s removed from Radio Central. Phased out of United States Navy use.

12th Conducted 24 VLS moves and an around-the-clock Tomahawk load-out for a Desert Storm rapid deployer.

19th Departed Port Canaveral, Florida enroute Norfolk, VA

20th "Paintmart" opened on board.

22nd Arrived in port Norfolk, VA

25th - 28th FAADCLANT Surprise Audit.

March

1st - 8th FAADCLANT Surprise Audit (continued).

4th Retention Inspection completed. Graded "Satisfactory".

4th - 5th Completed Engineering Readiness Evaluation with overall grade of "Unsatisfactory".

13th - 14th Dental Readiness Inspection conducted with an overall grade of "Satisfactory".

18th Implemented "Local Automated OPTAR".

April

1st - 4th Constructed hazardous waste containment berm at Site Support Warehouse (CEP-204).

4th Ship's "Self-Service" Laundry opened.

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25th Implemented automated Hazardous Material Information System (HMIS).

May

1st - 3rd Radiological Controls Practices Evaluation (RCPE) conducted with a grade of "Above Average".

5th - 9th Implemented Bar Code Scanning System.

6th - 24th Renovated Mess Deck bulkheads and overhead.

8th Replaced MILTOPE tape drives with PERTEC tape drives.

20th FAADCLANT Assist Visit.

24th Removed Card-Read Punch unit.

25th USS EMORY S. LAND sponsored Kid's Safe Day.

31st Annual Supply Management Inspection commenced.

June

1st - 7th Annual Supply Management Inspection completed with an overall grade of "Satisfactory".

18th - 19th Participated in exercise POLO HAT 1-91 (Communications Exercise)

30th Conducted a Weapons Elevator and Component Elevator procedural verification for AS-39 class tenders.

July

1st Completed modifications to the Weapons Compound stowage area.

7th Assumed all Submarine Squadron EIGHT supply support responsibilities.

8th - 11th Navy Exchange Command Barber Clinic held on board.

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- 16th National Cash Register (NCR) Automatic Teller Machine (ATM) upgrade.
- 23rd Conversion of two Dental Department spaces into Central Sterilization was completed. The first of its kind in the fleet.
- 23rd - 25th Command Administrative Inspection and Command Administrative and Personnel Management Inspection conducted. Graded "Satisfactory".
- 29th - 31st Communications Readiness Examination conducted by COMSUBLANT with an overall grade of "Average".
- 29th Dive Locker Repair Electricians and Riggers successfully replaced secondary propulsion motor on USS BATON ROUGE (SSN-689) without drydocking required.
- August
- 5th - 9th Underway independent steaming local OPAREAS.
- 9th Arrived in port Norfolk, VA.
- 23rd Commander, Submarine Squadron EIGHT Change of Command.
- September
- 6th Established Nuclear Welders' Proficiency Program.
- 9th - 10th Strategic Connecting Performance Test 91-A completed (Communications Exercise).
- 9th - 11th Type Commander's 3-M Inspection conducted with "Satisfactory" results.
- 15th Hosted and trained the Weapons Inspection team from COMSUBLANT, COMSUBPAC, FCDNA Indian Head Detachment, NWTGLANT, and NUSC Newport, RI for the Capsule Launch System (CLS) Tomahawk (TLAM-N) limited transshipment capability.
- 16th - 19th Independent steaming local OPAREAS.

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19th Arrived in port Norfolk, VA.

October

3rd Completed the first ever tender Limited Nuclear Weapons Acceptance Inspection (LNWAI) for Capsule Launch System (CLS) Tomahawk (TLAM-N) limited transshipment capability with a grade of "Satisfactory".

8th - 14th Independent steaming local OPAREAS.

November

7th Underway to Annapolis, MD.

7th - 12th Port visit U. S. Naval Academy, Annapolis, MD.

12th Underway for Norfolk, VA.

12th Arrived in port Norfolk, VA.

13th - 19th Replaced of secondary propulsion motor on USS BALTIMORE (SSN-704).

15th Conducted Secret Material Inventory - reduced holdings by 60%.

17th Installed Streamline Alternative Logistics Transmission System (SALTS).

19th - 20th Safety Standdown conducted.

20th Completed preliminary MK 67 Mine procedural review, providing NAVSEA and NAVMINWARENGACT various corrections and safety changes for implementation prior to fleet distribution.

21st Naval Security Group briefed SIGSEC to RM's.

21st Replacement of secondary propulsion motor on USS KEY WEST (SSN-722).

December

5th Completed a Short Notice Navy Technical Proficiency Inspection (SN/NTPI) with a grade of "Satisfactory". Eight of 11 areas were graded "OUTSTANDING".

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- 9th - 20th SB-3686 Red DC Switchboard replaced by SB-4255 Red Patch Panel. Installation completed by NAVELEXCEN Charleston, SC.
- 10th Naval Security Group CMS Assist visit.
- 11th - 19th FAADCLANT Surprise Audit. Graded "Satisfactory"
- 16th - 18th Fleet Calibration (FCA) Recertification.
- 17th Safety Inspection conducted on building CEP-204.
- 17th - 18th Participated in POLO HAT 2-91 (Communications Exercise).
- 20th Resumed two tender operations sharing supply support responsibility for Submarine Squadron EIGHT.

3. Narrative

a. 1991 Retention Statistics:

<u>1st Term</u>	<u>2nd Term</u>	<u>3rd Term</u>
39% Gross	66% Gross	86% Gross
53% Net	28% Net	88% Net

b. Personal awards approved in 1991:

Meritorious Service Medal: 1
Navy Commendation Medals: 9
Navy Achievement Medals: 41

c. Over 3,219 random urinalysis screening were conducted in 1991 with a positive rate of only .21745 percent.

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d. The Media Division continued to provide internal and external communications for the ship and its crew by producing 12 issues of the command newspaper, the LANDMARK, and broadcasting daily GMT programming via the ship's SITE III system. The division also produced training tapes for various departments on board, including reserve force training, weapons small arms training and shipboard security. Using divisional videotaping equipment, General Quarters fire party drills were recorded while underway. In support of Submarine Squadron EIGHT, the division videotaped the Commissioning Ceremonies of USS SCRANTON (SSN-756), and USS HYMAN G. RICKOVER (SSN-709) and Change of Command Ceremonies of Submarine Squadron EIGHT, USS HUNLEY (AS-31) and USS HYMAN G. RICKOVER (SSN-709). To aid the morale of people living on board the ship, the division also maintained a 500 tape Navy Motion Picture Service movie library and scheduled them for broadcast after duty hours and on weekends using the ship's SITE III system.

e. The Repair Department accomplishments during 1991 included:

(1) Expended of over 517,641 hours in repairs and alterations with a productivity utilization index of .829 which included the following:

<u>ITEM</u>	<u>TOTAL</u>
Non-nuclear SHIPALTS	1,122
Submarine SRAs supported	2
Controlled work packages completed	614
Nuclear SHIPALTS/A&Is accomplished	107
Nuclear work packages completed	91
Primary relief valve testing	2
ECF and AECF hook-ups	14
Radioactive material shipments	42
Radioactive material transfers	290

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Radioactive liquid received	24,147
RADIACS calibrated	529
TLDs calibrated	1,917
SRPDs calibrated	1,321
Steam generator inspections (RADCON support)	1
Working dives completed	665

(2) The Dive Locker utilized the Recompression Chamber on two occasions to treat patients. Two screw change outs and two vortex installations were performed. Three underwater secondary propulsion motor changeouts were also performed, a task not normally performed without entering the drydock.

(3) Welding capabilities were dramatically improved by placing a Nuclear Welding Proficiency Program in operation. Since its establishment, 6 September 1991, 27 of 27 production welds have been satisfactorily radiographed.

(4) The Machine Shop saved over 100 man-hours by effecting repairs to a motor generator slip ring for one of the tended units while the slip ring was still in place. This was a first time evolution for the Repair Department.

(5) The Optical Shop conducted in-depth repairs to the type 18 mast test set, special support and test equipment, and mast mounted dynamic collimator. This was the first time for this shop and realized a saving of over \$20,000.

(6) Repair Department electricians and Weapons Department personnel successfully replaced the Vertical Launch System cable, usually a depot level job, on the USS NEWPORT NEWS (SSN-750).

(7) Repair 4 and Repair 9 Divisions worked together to install modifications to the BLD-1 antenna and door on the USS BATON ROUGE (SSN-689) and USS NEWPORT NEWS (SSN-750).

(8) Nuclear repair and nuclear welders repaired and replaced VO-3 and CH-20/21 on two tended units; of note, no discrepancies in welds occurred.

f. Dental Department performed 3,837 dental examinations and provided treatment appointments throughout 1991.

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g. The Medical Department completed the following during 1991:

Patient visits:	6,489
Laboratory tests:	11,896
Pharmacy prescriptions:	8,351
TB tests:	1,342
X-rays:	1,265
Audiogram	787
Immunizations:	2,551

h. The Supply Department's accomplishments during 1991 were as follows:

(1) Implemented Shipboard Uniform Automated Data Processing System (SUDAPS) Release 3.0: Implementation of this upgraded SUDAPS version enabled the Supply Department to process requisitions on a "real-time" basis. Daily batch posting was eliminated. Also, this version enabled ROVSS Division to better track IMA requisitions and in turn provide better tended unit repair support.

(2) Installed 20 new CONEX box storage system at the Site Support Warehouse (CEP-204); providing secure, dry storage for use by supported units of Submarine Squadron EIGHT.

(3) Implemented new ADP Production Control Procedures - After installation of SUDAPS Release 3.0, S-8 Division developed and implemented new production control procedures. These procedures ensured the more efficient utilization of computer run times and control and distribution of output. The SMI Team stated that these "procedures were the best in the fleet".

(4) Opened "Paintmart" - Opened a self-service store ("Paintmart") in storeroom 23 that provided one-stop shopping for paint and paint supplies using existing SUBMART type procedures.

(5) FAADCLANT Surprise Audit - The Fleet Accounting and Disbursing Center, Atlantic, reported on board and began a two week audit of Disbursing and Personnel. The Disbursing portion of the audit was completed and a grade of "Satisfactory" was received.

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(6) Implemented "Local automated OPTAR" - The ROVSS Division designed and implemented a local automated OPTAR used to track expenditures and provide daily OPTAR balances. Need for a local program was realized upon implementation of SUDAPS Release 3.0.

(7) Constructed hazardous waste containment berm at Site Support Warehouse (CEP-204) - To better ensure containment of hazardous waste stored at CEP-204, a concrete berm was contracted for and constructed by Public Works Norfolk.

(8) Ship's "Self-Service" Laundry opened - A "self-service" laundry was organized, constructed and opened. The laundry, with three commercial washers and driers, enabled the crew to do their own laundry, after hours, without leaving the ship.

(9) Implemented automated Hazardous Material Information System (HMIS) - The HMIS system provided requisitioners of hazardous material immediate safety/precautionary information applicable to the material they requisitioned. The system is automated and provides real time information.

(10) Implemented Bar Code Scanning System - This system, used by the Supply Quality Assurance Division, utilizes bar code technology and enables the S-5 Division to conduct inventory counts and location surveys in a rapid manner with absolute precision. A hand-held laser scanner is used to read bar code labels on both material and locations. Use of the scanner replaces having to write down stock numbers and locations.

(11) Renovated Mess Decks bulkheads and overheads - In an effort to brighten and clean up the General Mess, existing bulkheads and overheads were removed and replaced by a civilian contractor, D. W. Boyd Corporation. Cost was in excess of \$50,000.00.

(12) Replaced outdated MILTOPE tape drives with PERTEC tape drives. Reduced tape error and re-run time while allowing use of higher density tapes.

(13) FAADCLANT Assist Visit - The Fleet Accounting and Disbursing Center Atlantic, audit team reported on board for an assist visit. Focus of the visit were areas found unsatisfactory and/or marginal on the surprise audit conducted earlier in the year. General improvement was noted and additional training was given.

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(14) Removed Card-Read Punch Unit (CRPU) - Removal of this unit not only increased available space in S-8 Divisional spaces but it also allowed for deletion of the expensive, outdated, and time consuming card processing operation.

(15) Annual Supply Management Inspection - The COMSUBLANT inspection team arrived on board and conducted a comprehensive inspection of all facets of the Supply Department operation. An overall grade of "Satisfactory" was assigned. Significant improvements in virtually all areas were noted and commented upon by the Chief Inspector.

(16) Assumed all Submarine Squadron EIGHT supply support responsibilities - With the departure of USS L. Y. SPEAR (AS-36) and transition of USS HUNLEY (AS-31) to Submarine Squadron SIX, the LAND's Supply Department assumed full responsibility for Squadron EIGHT supply support. All provisioning (repair parts, GSK and food stuffs), customer service and financial accounting for 16 tended units was assumed.

(17) Navy Exchange Command Barber Clinic held on board. The clinic, open to the waterfront, trained and instructed barbers in cutting both male and female crewmember's hair.

(18) National Cash Register (NCR) Automatic Teller Machine (ATM) - The upgrade attached an automatic card reader to the system which allows personal information to be read directly off the ATM card. This upgrade is a significant time saver for the cashier who no longer needs to input this personal data.

(19) The Supply Department provided logistics support for Commander, Submarine Squadron EIGHT and USS HYMAN G. RICKOVER (SSN-709) Change of Command Ceremonies including food and beverages for the pre-reception as well as chairs, chair covers, etc. for the ceremony itself.

(20) Installed Streamline Alternative Logistics Transmission System (SALTS) - This system provides the afloat user with an alternative system for entering requisitions, receiving status, submitting financial data and communicating general messages to the Inventory Control Points (ICPs). While in port a dedicated land-line is used. Underway, satellite transmission would replace the land-line. EMORY S. LAND will receive satellite transmission capability at a later date. The abbreviated system is currently in use in SUBSAT and Stock Control Divisions.

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(21) FAADCLANT Surprise Audit - The Fleet Accounting and Disbursing, Atlantic, auditors returned yet again. An inspection of Disbursing and Personnel was conducted. The Disbursing Division received and overall grade of "Outstanding" with significant improvements noted in all areas.

(22) Resumed two tender operations sharing supply support responsibility for Submarine Squadron EIGHT. With the return of the USS L. Y. SPEAR (AS-36) to Squadron SIX and USS HUNLEY (AS-31) to Squadron EIGHT, supply support was again divided. The LAND assumed full logistical support for nine units while retaining financial responsibility for all units.

i. Safety Department statistics:

(1) The downward trend in the number of total accidents continued for the third year in a row. 1991 total of 423 was down from the 1990 total of 432; an overall reduction of 2.8 percent.

(2) Total number lost workdays increased from last year. 1991 total of 294.5 was up from the 1990 total of 36; an overall increase of 818 percent. This increase was due to a better understanding by ship's company as to what constitutes a lost workday and better accountability.

(3) Medical Readiness Evaluation was conducted. Industrial Health Programs were evaluated as overall "Satisfactory".

(4) Engineering Readiness Evaluation was conducted. Industrial Health Programs were evaluated with the following grades: Heat Stress Program - unsatisfactory overall, Hearing Conservation and Noise Abatement Program - marginal overall, Electrical Safety Program - "Unsatisfactory".

(5) Kid's Safe Day was sponsored by the command. This event was held for EMORY S. LAND dependents.

(6) Safety Standdown was conducted in conjunction with Submarine Squadron EIGHT Safety Office. Safety surveys were conducted by the Safety Office. A courtesy safety walkthrough was conducted by the Naval Safety Center.

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(7) A Safety Inspection was conducted by Commander, Naval Base, Norfolk Occupational Safety and Health Office on Building CEP 204. The inspection was conducted in accordance with Department of Defense, Secretary of the Navy, and Chief of Naval Operations policy. Six discrepancies were noted and corrected. No recurring discrepancies were noted from the previous inspection.

j. The Legal Department processed:

(1) 61 mast cases held by the Commanding Officer. Major offenses by specification included:

- Article 80 - Attempt: 2 specifications
- Article 86 - Unauthorized absences: 57 specifications
- Article 90 - Disobeying superior commissioned officer: 5 specifications
- Article 91 - Disobeying warrant or petty officer: 11 specifications
- Article 92 Orders violations: 21 specifications
- Article 107 - False official statements: 8 specifications
- Article 108 - Destruction of government property: 1 specification
- Article 112 - Drunk on duty: 1 specification
- Article 112a - Drug offenses: 9 specifications
- Article 113 - Misbehavior of sentinel or lookout: 1 specification
- Article 117 - Provoking speeches or gestures: 1 specifications
- Article 121 - Larceny: 1 specification
- Article 128 - Assault: 3 specifications
- Article 134 - General article: 14 specifications

(2) Ten Summary Courts-Martial cases.

(3) Five Special Courts-Martial case; two Bad Conduct Discharges awarded.

(4) Four General Courts-Martial cases; two Dishonorable Discharges awarded.

(5) Acquittals:

- Summary Courts-Martial: 0
- Special Courts-Martial: 0
- General Courts-Martial: 0

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(6) Administrative Separations by Commanding Officer authority included:

- Personality Disorder - 6 discharges
- Obesity - 1 discharges
- Homosexuality - 4 discharges
- Alcohol rehabilitation failure - 3 discharges
- Somnambulism - 3 discharges

(7) Administrative Separations by NAVMILPERSCOM authority included:

- Pattern of Misconduct - 3 discharges
- Alcohol rehabilitation failure - 5 discharges
- Commission of a serious offense - 10 discharges
- Drug abuse - 7 discharges

Results of these Administrative Separations included:

- Other Than Honorable (OTH) Discharges - 12
- General Discharges - 9
- Administrative Boards held where OTH warranted: 10
Boards. OTH granted - 6
- Administrative Boards rights waived by member, OTH granted - 6
- Administrative Board held, BUPERS retained member - 2
- Dual processing - 11 cases

(8) Administrative Boards held: 13 boards

(9) JAGMAN Investigations initiated: 10

k. Operations Department statistics include:

(1) Underway 27 days, steaming 3,367 nautical miles. Independent steaming exercises were conducted in Virginia Capes Operations Area for training. Additionally the ship visited Port Canaveral, Florida in February and Annapolis, Maryland in November.

(2) Conducted 49 SAS transactions in support of submarine operations. USS EMORY S. LAND served as Area Coordinator for COMSUBRON EIGHT and COMSUBRON SIX units.

(3) NAVELEX Charleston installed three new SB-4255 low level teletype patch panels as a replacement for the SB-3686 panels. This corrected a long standing CASREP and greatly increased reliability of the Communications Center's signal processing capabilities.

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1. Chaplain Department conducted Protestant and Catholic services weekly.

m. Weapons Department completed the following:

(1) Weapons handling movements

MK 48	393 Warshots	85 Exercise
MK84	56	27
Mines	0	3
ADCAP	0	12
Tomahawk	155	28
VLS	91	7

(2) Weight Tests

Material Handling Devices	2,211 tests
Ordnance Handling Equipment	789 tests
Cranes	5 tests

(3) 800 individual issues of small arms ammunition and pyrotechnics. Provided range instructors for 400 SSN personnel and 1,200 USS EMORY S. LAND personnel for small arms qualifications.

(4) Fire Control - Reinstated the Fire Control Shop repair capability. Completed 31 SSN Fire Control repair jobs on tended units.

n. Engineering Department support to:

(1) Tended units:

(a) Provided shore power, portable water, CHT disposal, variable ballast water and telephone services to submarines moored alongside EMORY S. LAND.

(b) Conducted 120 high pressure nitrogen charges to submarines in upkeep.

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(2) USS EMORY S. LAND:

(a) Hotel services for heat, air conditioning, hot water, laundry steam and refrigeration; maintaining shipboard environment.

(b) Overhauled Number 1, 2, and 3 refrigeration plants.

(c) Overhauled Number 1, 2, and 3 low pressure air compressor.

(d) Overhauled forward anchor windlass hydraulics; significant for ship's operational capabilities, anchoring and mooring.

(e) Overhauled after steering hydraulic system; significant for ship's operational capabilities.

(f) Completed mechanical and electrical repairs to Number 1, 2, 3, 4, 6, 7, and 8 elevators, Number 1, 2, 3, and 4 vertical stores conveyors and ship to shore conveyor; significant to ship and tended unit support.

(g) Overhauled Number 1A, 1B, 2A, 2B forced draft blower governors and steam admission valves, Number 2A forced draft blower turbine, Number 1 and Number 3 main feed pumps and automatic combustion control system; significant for ship's propulsion plant operations.


L. T. KEEGAN