



**USS EMORY S. LAND (AS-39)**

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To: Director of Naval History (OP-09BH)

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Ref: (a) OPNAVINST 5750.12C of 28 January 1980

Encl: (1) History and Mission of USS EMORY S. LAND, (AS-39)  
(2) Description of activities by Department  
(3) Biography: Admiral Emory S. LAND, USN, (Ret.)  
(4) Picture of Admiral Emory S. LAND, USN, (Ret.)  
(5) Biography: Commanding Officer, Captain Dennis Y. SLOAN, USN  
(6) Picture of Commanding Officer  
(7) Biography: Executive Officer, Commander J. Michael LEEDS, USN  
(8) Picture of Executive Officer  
(9) Postal Cachet  
(10) Picture of AS-39  
(11) Ship's Cloth Patch  
(12) Welcome Aboard Pamphlet  
(13) Commissioning Publication  
(14) Support Service Manual (EMORY S. LANDINST 5400.4)  
(15) Six (6) Progress Reports  
(16) Cruise book - *presented to LY*

1. In accordance with reference (a), enclosures (1) through (16) are forwarded.

2. The EMORY S. LAND crew began in five (5) groups or increments:

a. Operating Space Item (OSI) Team was directed to Puget Sound Naval Shipyard (PSNS) around mid-1978 and began the long process of preparing the supplies and equipment that would soon be arriving for the initial outfitting. They sorted, boxed, and categorized over one million items ranging from swabs and garbage cans to sophisticated test equipment required not only for shipboard use but for the primary task of supporting LOS ANGELES class-688 Nuclear Submarines.

b. Nucleus One Group composed primarily of engineering personnel, arrived at Lockheed Shipbuilding and Construction Company in mid-November 1978. They commenced training on the AS-39s power plant and various other engineering systems. Naval Support Center, Sandpoint, Washington on the outskirts of Seattle became their home.

c. Nucleus Two Group comprised primarily of senior enlisted personnel would be tasked with establishing the ground work for initial training. Personnel arriving at a later time would follow the guidelines of Nucleus Group Two. In mid-January 1979 Nucleus Group Two left for Lockheed to commence training on and acceptance of the remaining systems. Berthing would be both at Sandpoint and at the new Trident Submarine Base, Bangor, Washington.

d. Balance One Crew had been arriving simultaneously with both of the Nucleus Groups to attend fire fighting and damage control schools, as well as system schools unique to EMORY S. LAND. They set the standards and lifestyle that was to become routine. During their time at the Naval Station, Norfolk, they completely renovated and restored their assigned berthing areas. The high standards and workmanship established the crew's motto of "The LAND has landed." This unofficial motto permeated throughout the Naval Station. The majority of Balance One Crew arrived prior to mid-March 1979.

e. Balance Two Crew, the final increment, arrived prior to mid-March and was sent directly to Puget Sound Naval Shipyard for the Fitting Out Availability and transit from Seattle, Washington to Norfolk, Virginia.

3. Enclosure (15) comprises six (6) pre-commissioning Progress Reports that were previously submitted the Chief of Naval Operations.

  
D. Y. SLOAN

History and Mission of the USS EMORY S. LAND (AS39)  
Inception to 31 December 1979

1. Captain Dennis Y. SLOAN, USN served as Commanding Officer during the period.
2. Commander J. Michael LEEDS, USN, served as Executive Officer during the period.
3. History of the USS EMORY S. LAND (AS 39): The keel was laid for the USS EMORY S. LAND (AS 39) on 2 March 1976. The ship was christened by the sponsor, Sara H. Long on 4 May 1977 with builders trials occurring 7 and 8 November 1978. To construct a ship the size of the LAND, 12,500 tons of steel were required along with 142 miles of electric cable and 30 miles of piping. The EMORY S. LAND was placed In Commission Special on 23 March 1979 and Commissioned on 7 July 1979.
4. The mission of the USS EMORY S. LAND (AS 39) : The submarine tender USS EMORY S. LAND, (AS 39) provides a mobile support base for nuclear powered SSN 688 LOS ANGELES class high speed attack submarines. The EMORY S. LAND is an auxiliary ship that provide maintenance, supplies and other services to these submarines. The ship serves submarines and their crews with repairs, spare parts, provisions, and medical, dental, mail, and legal services. Among the 50 technical shops aboard are those that deal with such things as storage batteries, antennas, electronics, electrical systems, gyro compass, machining, welding, optical, pipe, typewriters, watches, sheet metal, projectors, carpentry, and more. The ship provides living quarters for the one thousand (1000) plus men manning the shops and operating the ship. Submarines alongside for servicing can be provided with compressed gases, steam, diesel fuel, water, electricity, and various other services.
5. Upon the commissioning of Submarine Squadron Eight on 4 August 1979, USS EMORY S. LAND, (AS-39) became the Flagship for COMSUBRON EIGHT.

Enclosure (1)

## DESCRIPTION OF ACTIVITIES BY DEPARTMENT

1. Each Department is an integral member of EMORY S. LAND. One does not stand alone in accomplishing the assigned tasks and missions.
2. The following accounts stress the importance of each department in providing service to the SSN 688 LOS ANGELES class submarines.

### a. ADMINISTRATION (EXECUTIVE) DEPARTMENT

The Personnel Office and Administrative Office opened during the month of August 1978 and began preparing for the manning of the "nucleus crew".

Commander J.M. LEEDS reporting to the USS EMORY S. LAND as Training Officer in September 1978. Commander LEEDS assumed the duties of Executive Officer aboard the USS EMORY S. LAND upon In-Commission Special 23 March 1979.

The Prospective Commanding Officer of the USS EMORY S. LAND, Captain D. Y. SLOAN reported aboard in November 1978 and became Commanding Officer upon In-Commission Special 23 March 1979.

During the month of March 1979, the Legal Office opened, and the first Navy-wide Rate Advancement exams were given aboard the EMORY S. LAND.

On 23 March 1979 the USS EMORY S. LAND was placed In-Commission Special.

To celebrate the In-Commission Special ceremonies, the Post Office opened and issued a First Day Cover for that date, 23 March 1979.

The Chaplain, CDR [REDACTED], arrived 18 May 1979.

The EMORY S. LAND Personnel Department issued it's first I.D. card on 9 July 1979.

In the spring of 1979, the Master at Arms Force inaugurated the first afloat all Navy Correctional Custody Facility which was deemed a tremendous success by the Naval Military Personnel Command.

The Career Counselor enjoyed a successful calendar year 1979 by continuously appearing on the monthly Commander Submarine Force, U.S. Atlantic Fleet Retention Honor Roll.

## b. REPAIR DEPARTMENT

The inception and implementation of the Repair Department on board the USS EMORY S. LAND, (AS-39) dates back to the arrival of the Repair Officer Commander [REDACTED] in August 1978 at the construction site, Lockheed Shipbuilding and Construction Company, Seattle, Washington. With construction nearing the final stages of completion, CDR [REDACTED] established administrative residence within the shipyard and began the on site establishment of Repair Department Organization. As the months progressed the crew phasing and scheduling plan solidified into two parts: 1) balance crew members in Norfolk were undergoing pre-commissioning training at all schools available at Fleet Training Center (ranging from highly technical to administrative), and 2) Nucleus Crews I and II comprised of 13 officers and 172 enlisted were engaged in quality assurance and compartment turnover and discrepancy identification prior to acceptance by the Navy. As completion neared in early March 1979, the Repair Department crew members had moved on board USS EMORY S. LAND, (AS-39) establishing a functional organization which would eventually include over 400 men and 50 repair shops.

The Repair Department being the largest department on board has played a significant role in each and every shipboard evolution encountered; from the fitting out in Puget Sound Naval Shipyard, March 1979; Engineering Light Off Examination, March to April 1979; Tender Loadout in Oakland, California May 1979; Commissioning 7 July 1979; to Shakedown Training Guantanamo Bay Cuba, June to August 1979. In all of these evolutions the Repair Department provided a major supporting effort to ensure that all Command objectives were met in a timely fashion either by providing manpower or technical expertise. In addition the Department was actively engaged in preparation of shops and personnel to begin tending the 688 LOS ANGELES class submarine, the Navy's newest nuclear powered submarines. Efforts included in many cases re-configuration, equipment upgrading and research and procurement of all necessary publications and technical documents needed to support a myriad of complex, sophisticated equipments and systems found on board the 688 class submarines. Of particular emphasis was readiness efforts within the Radiological Control Division in preparation for the Radiological Practices Examination conducted in November 1979. This coupled with the Quality Assurance Audit and Industrial Plant Survey proved to be the final hurdles met and successfully completed by the Repair Department in an effort to transition from new construction, to a well organized and established on-line tender capable of repair to both equipment and systems of an extremely sophisticated component of our modern Navy. Proof of this enormous effort is evidenced by the recent successful completion of refit availabilities of both 637 and 688 class submarines prior to entering the Newport News Shipyard for Post Shakedown Availability on 4 February 1980 and the continued ongoing support for Atlantic Fleet Submarines from April 1980 on.

### c. SUPPLY DEPARTMENT

USS EMORY S. LAND's twenty man Operating Space Item (OSI) team reported to the Puget Sound Naval Shipyard on 16 June 1978, to receive, store, and deliver over thirty thousand (30,000) line items of outfitting material to the ship.

The Shipboard Uniform Automated Data Processing System (SUADPS) is implemented onboard on 22 January 1979 while at Lockheed Shipbuilding and Construction Company by members of the Nucleus Crew and by members of the Navy Maintenance and Supply Systems, Pacific (NAVMASSOPAC).

On 7 February 1979 the loadout was completed of the eleven thousand (11,000) line items of Coordinated Shipboard Allowance List (COSAL) support parts. The Intermediate Maintenance Activity Management Sub-System (IMMS) was implemented. Between 28 February and 15 March 1979, approximately twelve hundred (1200) pallets of initial outfitting material were delivered to over sixty (60) shops and divisions of the ship by the OSI team.

On 2 March 1979, the initial operation commenced for the Supply Support Center (SSC). During the first two (2) months of operation an average of nearly one hundred (100) non-standard and one hundred-fifty (150) standard issue requests were processed per day.

The Shipboard Uniform Military Pay System (S-JUMPS), which permits automated payroll processing, was implemented on 10 March 1979 and the ship's laundry facilities and ship's barber shops were opened on 23 March 1979. Also that day, was the grand opening of the Chief Petty Officer (CPO) Mess, the Wardroom, and the Enlisted Dining Facility (EDF), dubbed "Land's Inn." On 26 March 1979, the ship commenced its full time disbursing operation and terminated support services from the Puget Sound Navy Finance Office. The grand opening of the ship's store was on 28 March 1979.

The Repair of Other Vehicles Supply Support (ROVSS) Branch of the SSC in support of the Intermediate Maintenance Activity (IMA) was established on 11 May 1979. On 23 May 1979 the ship's dry cleaning plant was opened and between 20 May and 4 June 1979 over twenty thousand (20,000) line items of stock material were loaded at Naval Supply Center (NSC) Oakland, California.

On 15 June 1979 the construction of a self service vending machine room was completed and opened. On 22 June, disbursements paid to the crew passed the one million dollar (\$1,000,000) mark and at the time, the one hundred thousand dollar (\$100,000) mark was passed in the ships store and vending facilities.

Commissioning Ceremony receptions were held in the EDF, CPO Mess, and the Wardroom for over three thousand (3,000) guests on 7 July 1979. On 13 July, Commander [REDACTED] relieved Commander [REDACTED] as Supply Officer. On 23 July, the one million dollar (1,000,000) mark was passed in check cashing for the crew.

The Disbursing responsibilities for Submarine Squadron Eight were assumed on 1 September 1979. Also on that date, SUBMART, the Supply Department's self service general consumables store, opened. On 20 September, the installation of SNAP I/PHASE I Automatic Data Processing (ADP) equipment upgrade was completed. On 23 September submarine support operations began for the ships first alongside submarine, the USS CINCINNATI (SSN 693). On 1 October 1979 support operations began for the remaining three 688 LOS ANGELES class submarines of Submarine Squadron Eight and the USS ORTOLAN (ASR-22). A two week on-site audit by Fleet Accounting and Disbursing Center, Atlantic (FAADCLANT), began 5 November 1979.

On 17 December 1979, the USS EMORY S. LAND's Enlisted Dining Facility was selected as COMSUBLANT's nominee in the 1980 NEY AWARDS competition for the best large mess afloat.

#### D. WEAPONS DEPARTMENT

In March 1979, W-1 Division was established on board the EMORY S. LAND. The primary workload for the division commenced directly after the successful certification of MK48 and harpoon handling in late September, 1979.

The division supported COMSUBRON SIX and COMSUBRON EIGHT by handling over one hundred fifty (150) torpedoes in a four (4) week period during the month of January 1980.

W-1 Division provides cosmetic repair of MK 48 torpedoes, hydraulic pressure check of MK 48 torpedoes (life extension), tube inspection team, Explosive Ordinance Disposal (EOD) team (training only), weapons handling, and security during nuclear weapons movement.

On 11 May 1979, W-2 Division completed the unloading of weapons ammunition at Indian Island, Washington. The USS EMORY S. LAND was the first ship to load from the new pier.

The first rounds of ammunition were fired from the main batteries, of the 20 MM machine guns, on 21 May 1979, with the first two casings being presented to the Commanding Officer.

During the Shakedown Training at Guantanamo Bay, Cuba, the ship received an "excellent" rating during the mine clearing exercises.

On 24-26 September 1979, the EMORY S. LAND received an explosive safety review.

A Nuclear Safety Study (Safety Evaluation of the SUBROC weapons system on AS-39 Submarine Tender) was conducted 10-12 April 1979. Naval Material, Field Command, Defense Nuclear Agency, Department of Energy, and Sandial Laboratories, Livermore, California were among participants of the study.

In March 1979 The submarine rocket shop aboard the LAND with its SUBROC Service Test Equipment was installed and tested in March, 1979.

In October 1979 a Technical Assistance Inspection (TA) was conducted. Also the EMORY S. LAND also rewrote OP 4133 with technical representatives from Naval Underwater Systems Center (NUSC) and VITRO Inc..

The USS EMORY S. LAND received and transferred two (2) MK 36 Training Missiles, and two (2) MK 34 Dummy Missiles.

During the period of 4-6 December 1979, EMORY S. LAND underwent a Nuclear Weapons Acceptance Inspection (Nwai). As a result the following grades were given: OVERALL-satisfactory, ADMINISTRATION-acceptable, SAFETY-acceptable, SECURITY-marginal, SUBROC TECHNICAL OPERATIONS-excellent, GENERAL TECHNICAL OPERATIONS-acceptable, COMMAND AND CONTROL-outstanding, NUCLEAR WEAPONS CASUALTY DRILL-acceptable, DC AND RADIAC EQUIPMENT-excellent, PERSONAL EXAMS-excellent.

The USS EMORY S. LAND offloaded one (1) WR SUBROC from a submarine and transferred it to Nuclear Weapons Storage.

In April 1979, W-6 Division was established. Since that time fifty six (56) inspection sheets have been prepared.

A 72D Weight Test was established and EMORY S. LAND'S Weight Test Manual was developed. W-6 Division also provides weight test and documentation, weapons technical publications library, 3-M system inspection, and component storage inspection.

During the calendar year 1979 eight (8) Quality Assurance (QA) inspectors were qualified aboard the USS EMORY S. LAND.

WEAPONS DEPARTMENT CHARTS

W-1 HISTORY DATA 1979

|                                    | RECEIVED | ISSUE |
|------------------------------------|----------|-------|
| Commissioning through October 1979 | 20       | 0     |
| November 1979                      | 65       | 53    |
| December 1979                      | 6        | 14    |
| Total number of units for 1979     | 91       | 67    |
| Number of MK-48 Warshot            | 53       | 40    |
| Number of MK-48-3 Warshot          | 9        | 4     |
| Number of MK-48-1 Excercise        | 19       | 19    |
| Number of MK-48-3 Excercise        | 1        | 0     |
| Number of Encapsulated Harpoon     | 9        | 4     |

W-6 HISTORY DATA 1979

|                                     | INSPECTIONS | REJECTIONS |
|-------------------------------------|-------------|------------|
| Commissioning through October 1979  | 409         | 19         |
| November 1979                       | 317         | 27         |
| December 1979                       | 102         | 6          |
| Total number of inspections 1979    | 828         | 52         |
| Number of Publications and changes  | 816         |            |
| Number of Corrective Action Reports | 81          |            |

e. Operations Department

After the ship's "Special Commissioning" on 23 March 1979 which enabled the ship to steam from Bremerton, Washington to its homeport in Norfolk, Virginia the Operations Department had the responsibility for establishing and organizing the formal Commissioning Ceremonies. Together with the dress ship procedures and the rendering of honors, these ceremonies provided the traditional commissioning which was held 7 July 1979.

The Welcome Aboard Pamphlets, Commissioning Programs, the procurement of Admiral LAND'S medals and sword, and the development and sales of the ship's first cruise book were accomplished through the efforts of the Operations Department.

Following commissioning, the USS EMORY S. LAND (AS-39) transited to Guantanamo Bay, Cuba, to undergo shakedown training. While in Cuba, the ship and her crew distinguished themselves by scoring above average on swept channel, reduced visibility, and precision anchorage exercises. The Communications Division passed exercises with very high scores.

While underway near Guantanamo Bay, the ship's leading Signalman, SM1 [REDACTED], spotted the USS WAINRIGHT (CG-28) dead-in-the-water sending distress signals. The ship had lost all power and had to use semaphore flags to obtain help. Petty Officer [REDACTED] then signaled port services requesting tug boats.

In September, 1979 the Communications Division assumed the Communications Guard for COMSUBRON SIX and COMSUBRON EIGHT, receiving approximately three hundred fifty (350) incoming and outgoing messages daily.

f. DECK DEPARTMENT

The helicopter Deck received its Helo Certification prior to commissioning on 9 February 1979.

The onload at Bremerton, Washington by crane was finished two (2) weeks ahead of schedule on 21 March 1979. The next onload, at Naval Supply Center, (NSC) Oakland, California was completed one week ahead of schedule in May 1979.

During the Shakedown Training at Guantanamo Bay, Cuba, Deck Department received the highest overall grade, 95.5%.

The Deck Department also assisted the Weapons Department with the handling of one hundred fifty (150) weapons without a mishap, the normal average for a single months handling is fifty (50) weapons.

In July Deck Department received the USS BIRMINGHAM SSN 695 alongside.

## g. ENGINEERING

Since the Commissioning of the USS EMORY S. LAND (AS 39) in March 1979, the Engineering Department has constantly been in the lime light.

In Bremerton, Washington, the Engineering Department went through two (2) Mobile Training Team (MTT) and one (1) Light Off Examination (LOE) evaluations. Each and every day from Bremerton to Norfolk drills were conducted to prepare the men for their scheduled shakedown training at Guantanamo. Upon arriving in Norfolk Virginia, the Engineering Department completed another MTT visit.

On 22 July the LAND departed for Guantanamo Bay, Cuba where the entire ship went through extensive training. Through many long hours Engineering Department trained and drilled over and over again. All of that training paid off when the USS EMORY S. LAND (AS-39) was the first ship of her class to complete Operational Propulsion Plant Exam (OPPE) in record time.

After returning to Norfolk the ship underwent final contract trials conducted by the Board of Inspection and Survey with a finding of Fit-for-Service. In February 1980 the ship underwent the Post Shake Down Availability and completed all possible work three days ahead of the scheduled completion date.

### MAIN PROPULSION PLANT

The fireroom is equipped with two (2) type "D" boilers providing 620 PSI superheated steam to both the main turbines and the four (4) ships turbo generators. Auxiliary machineries associated with the operations of the boilers consist of: three (3) fuel oil service pumps, the four (4) forced draft blowers, two (2) electric light off blowers, three (3) main feed pumps, three (3) booster pumps and one (1) deaerating feed tank.

The boiler is also equipped with automatic combustion controls and automatic feedwater controls manufactured by General Regulator. Other auxiliary machineries in the fireroom are three (3) high pressure air compressors, three (3) low pressure air compressors, two (2) potable water pumps, one (1) steam driven fire pump, and one (1) electric driven fire pump.

The engineroom has one (1) main propulsion turbine. The turbine converts superheated steam to power which drives the ship's propeller by means of reduction gears and shafting. The propulsion unit consists of a high pressure turbine and a low pressure turbine. Four (4) ships service turbo generators are also located in the engineroom to provide electrical services to the entire ship and to submarines alongside. Auxiliary machineries include: one (1) main condenser, four (4) auxiliary condensers, one (1) main air ejector, four (4) auxiliary air ejectors, two (2) evaporators, one (1) steam driven fire pump, one (1) electric fire pump, two (2) electric lube oil pumps, two (2) electric stripping pumps, one (1) steam driven stripping pump, one (1) cargo lube oil pump, one (1) diesel cargo pump, three (3) air conditioning units, three (3) saltwater circulation pumps, three (3) chill water pumps, one (1) lube oil purifier and transfer pump, and one (1) electric fuel oil transfer pump.

The Engineering Department is equipped to be self sustaining with it's General Workshop for the Hull Technicians and Machinery Repairmen and the Electrical Repair shop for the Electricians. The Engineering Department also operates the Oxygen and Nitrogen Generators Plant and provides these gases to the submarines.

#### h. DENTAL DEPARTMENT

The Dental Department aboard USS EMORY S. LAND (AS-39) commenced patient treatment on 18 April 1979.

The Dental Department is staffed by three (3) Dental Officers and seven (7) Dental Technicians providing complete dental treatment to the approximately one thousand (1000) plus individuals of our Command, the persons of COMSUBRON EIGHT, and the submarines alongside for availability.

The USS EMORY S. LAND (AS 39) was the first submarine tender to be designed with a Preventative Dentistry Facility. This compartment consists of spaces for group lectures, self prophylaxis, and stannous fluoride application. This service is provided to our patient population annually.

The prosthetic laboratory aboard LAND has the equipment and facilities to provide complete prosthetic services, including porcelain, gold crowns, bridges, removable partial dentures and complete dentures.

#### i. MEDICAL DEPARTMENT

During January 1979 Medical Department personnel established the first sickcall for EMORY S. LAND personnel during pre-com at Lexington Hall Norfolk Virginia, including the immunization program.

In March 1979 all Medical Department personnel reported to the EMORY S. LAND (AS-39) at Bremerton Washington. Two (2) Officers, three (3) Chiefs and nine (9) E-6 and below comprised the Medical Department. Throughout the ship medical personnel had to stock five (5) decontamination stations, sixty seven (67) first aid boxes, six (6) portable medical lockers, completed the installation of hand lines on twenty seven (27) Stokes stretchers, and stock four (4) battle dressing stations. Medical Department First Aid lectures to all hands in preparation for the Shakedown Training at Guantanamo Bay, Cuba. The medical department provides laboratory, x-ray, pharmacy, preventive medicine, radiation health monitoring and medical and surgical services to the crew and submarines of Submarine Squadron Eight.

ADMIRAL EMORY SCOTT LAND, USN, (RETIRED)

Emory Scott LAND a pioneer in submarine development, was born in Canon City, Colorado.

A graduate of the University of Wyoming, U.S. Naval Academy, and Massachusetts Institute of Technology, he became a Naval constructor prior to World War I. As Chief of the Bureau of Construction and Repair, a forerunner of the Bureau of Ships, from 1932 until 1937, he supervised the design and development of submarines that formed the backbone of the U.S. Submarine Fleet in World War II. Emory S. LAND retired from the Navy on 1 April 1937, at the rank of Rear Admiral. On 16 April 1937 he accepted an appointment by President Franklin D. ROOSEVELT as a member of the U.S. Maritime Commission. On 18 February 1938 he became chairman of that commission. On 9 February 1942, following the outbreak of World War II, he was also assigned as administrator of the War Shipping Administration. He served in that dual capacity until the cessation of hostilities. During this period he was advanced to the rank of Vice Admiral by a special act of Congress on 1 July 1944.

His list of awards include the Distinguished Service Cross- Navy: awarded for his exceptional meritorious service to the government of the United States as Chairman of the United States Maritime Commission and as Administrator of the War Shipping Administration from 16 April 1937 to 31 August 1945. The Distinguished Service Medal- Army: " Vice Admiral LAND, Chairman of the United States Maritime Commission and as Administrator of the War Shipping Administration, from December 1941 to September 1945, performed services of extraordinary value to the nation." On 16 January 1946, Vice Admiral LAND resigned as Chairman of the U.S. Maritime Commission, later to become president of the Air Transport Association.

In addition to the Distinguished Service Medals from the Army and Navy, Vice Admiral LAND recieved the Navy Cross, The Spanish Campaign Medal and the Admiral LAND recieved the Navy Cross, The Spanish Campaign Medal and the Victory Medal (World War I) with submarine clasp. He also recieved the following foreign awards: Honorary Commander of the Military Order of the British Empire, 1921; Honorary Knight of the Military Order of the British Empire, 1945; and Grand Officer, Second Class, Polonia Restitute, presented by the Polish Government in Exile.

Enclosure (3)