DEPARTMENT OF THE NAVY
USS SPRUANCE (DD 963)
FLEET POST OFFICE
MIAMI 34093-1201

5757
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30 JAN 89

From: Commanding Officer, USS SPRUANCE (DD 963)
To: Director of Naval History (OP-09BH)

Subj: USS SPRUANCE (DD-963) COMMAND HISTORY (OPNAV REPORT 5750-1)

Ref: (a) OPNAVINST 5750.12D

Encl: (1) Commanding Officer's Biography
(2) Photograph of USS SPRUANCE (DD-963), B & W 8" x 10"
(3) Welcome Aboard Pamphlet
(4) Ship Availability Status/Overhaul Completion Report

NOT RETAINED

1. This report is submitted per reference (a) and covers the period 01 January through 31 December 1987.

I. COMMAND COMPOSITION AND ORGANIZATION

Mission:

The Primary missions of USS SPRUANCE are Anti-Submarine (ASW) and Anti-Surface Warfare (ASUW)/Strike Warfare. ASW encompasses the detection, localization, identification, and destruction of hostile submarines. ASUW/Strike Warfare involves the offensive employment of the Tomahawk Missile fired from the Vertical Launching System against land based or ship targets. USS SPRUANCE is also capable of Naval Gunfire Support, Anti-Air Warfare for self-protection, Command, Control and Communications, and humanitarian missions such as rescue and evacuation operations.

Organizational Structure:

Immediate Senior In Command:
COMDESRON EIGHT
Captain Thomas Gabriel 01 January - 14 August 1987
Captain Glynn Q. Lane, Jr. 14 August - 31 December 1987

Units under SPRUANCE's operational/administrative control: None.

Name of Commanding Officer:
Commander Glenn F. Gottschalk

Biography of Commanding Officer:
See enclosure (1).

Homeport:
01 DEC 02 JUN Pascagoula, MS

02 JUN 31 DEC Mayport, FL 87

II. CHRONOLOGY

01 JAN	REGULAR OVERHAUL CONTINUES: INGALLS SHIPBUILDING DIVISION OF LITTON. PASCAGOULA, MS
20 FEB	VERTICAL LAUNCH SYSTEM INSTALLATION COMPLETED
06 MAR	RAST SYSTEM INSTALLATION COMPLETED
20 MAR	CREW MOVED ABOARD SHIP
27 MAR	LAMPS III INSTALLATION COMPLETED
11 APR	INITIAL FUELING
08 MAY	HELO FACILITIES CERTIFICATION
11 MAY-12 MAY	PROPULSION SYSTEM LIGHT-OFF EXAMINATION
13 MAY-17 MAY	INCLINING EXPERIMENT
26 MAY-28 MAY	SEA TRIALS: UNDERWAY PASCAGOULA OPERATIONS AREA.
01 JUN	ROH COMPLETED
01 JUN-12 JUN	INPORT PASCAGOULA, MS (OUTBOARD II CAL PHASE A)
12 JUN-17 JUN	TRANSIT PASCAGOULA, MS TO NORFOLK, VA
17 JUN-22 JUN	INPORT NAVSTA NORFOLK, VA ONLOAD INTEGRATED LOGISTIC OVERHAUL (ILO) PARTS
22 JUN-23 JUN	UNDERWAY VIRGINIA CAPES OPERATION AREA OUTBOARD II CAL PHASE D
23 JUN-24 JUN	TRANSIT VACAPES OPAREA TO YORKTOWN, VA
24 JUN-26 JUN	INPORT YORKTOWN, VA WEAPONS ONLOAD
26 JUN	TRANSIT YORKTOWN, VA TO NORFOLK, VA
26 JUN-01 JUL	INPORT NAVSTA NORFOLK, VA
01 JUL	TRANSIT NORFOLK, VA TO ANNAPOLIS, MD
01 JUL-06 JUL	ANCHORED AT USNA, ANNAPOLIS, MD
06 JUL	TRANSIT ANNAPOLIS, MD TO PATUXENT RIVER, MD
06 JUL-13 JUL	ANCHORED AT NAS PATUXENT RIVER, MD FLIGHT/RAST OPERATIONS
13 JUL-15 JUL	TRANSIT PATUXENT RIVER, MD TO MAYPORT, FL
14 JUL	UNREP WITH USS NEOSHO
15 JUL	ARRIVED MAYPORT, FL ** NEW HOMEPORT **
15 JUL-10 AUG	INPORT MAYPORT IMAV WITH SIMA, MAYPORT
10 AUG-13 AUG	UNDERWAY JACKSONVILLE OPERATIONS AREA
13 AUG-21 AUG	INPORT MAYPORT, FL
14 AUG	COMDESRON EIGHT CHANGE OF COMMAND
18 AUG-21 AUG	CSSQT/SQT
21 AUG	UNDERWAY JACKSONVILLE OPERATIONS AREA
21 AUG-28 AUG	INPORT MAYPORT, FL
28 AUG-31 AUG	TRANSIT MAYPORT, FL TO ROOSEVELT ROADS, PR RETURNED HISTORIC CANNON TO PUERTO RICO
31 AUG-01 SEP	INPORT ROOSEVELT ROADS, PR
01 SEP-02 SEP	UNDERWAY
02 SEP-05 SEP	TRANSIT ROOSEVELT ROADS, PR TO ST. THOMAS, USVI NGFS NSSMS EXERCISE

05 SEP-08 SEP		ANCHORED ST. THOMAS, USVI
08 SEP-10 SEP		TRANSIT ST. THOMAS, USVI TO ROOSEVELT ROADS, PR
		NGFS CERTIFICATION
10 SEP-10 SEP		ANCHORED ROOSEVELT ROADS, PR (REFUELING/ CUSTOMS)
10 SEP-13 SEP		TRANSIT ROOSEVELT ROADS, PR TO FT. LAUDERDALE, FL
13 SEP-17 SEP		INPORT FT. LAUDERDALE, FL
17 SEP		UNDERWAY 200TH ANNIVERSARY SIGNING OF U. S. CONSTITUTION
17 SEP-22 SEP		TRANSIT FT. LAUDERDALE, FL TO GUANTANAMO BAY, CUBA
22 SEP		INPORT GUANTANAMO BAY, CUBA
22 SEP-23 SEP		UNDERWAY HURRICANE EVASION IN THE CARRIBEAN
23 SEP-06 NOV		REFRESHER TRAINING: FLEET TRAINING CENTER
23 SEP-28 SEP		INPORT GUANTANAMO BAY, CUBA
28 SEP-02 OCT		UNDERWAY GTMO OPAREA
02 OCT-05 OCT		ANCHORED GUANTANAMO BAY, CUBA
05 OCT-09 OCT		UNDERWAY GTMO OPAREA
09 OCT-12 OCT		INPORT GUANTANAMO BAY, CUBA
12 OCT-16 OCT		UNDERWAY GTMO OPAREA
16 OCT		INPORT GUANTANAMO BAY, CUBA
17 OCT-19 OCT		UNDERWAY GTMO OPAREA
19 OCT-20 OCT		INPORT GUANTANAMO BAY, CUBA
20 OCT-21 OCT		UNDERWAY GTMO OPAREA
21 OCT-22 OCT		INPORT GUANTANAMO BAY, CUBA
22 OCT-24 OCT		UNDERWAY GTMO OPAREA
24 OCT-27 OCT		INPORT GUANTANAMO BAY, CUBA
27 OCT		UNDERWAY GTMO OPAREA
27 OCT-28 OCT		INPORT GUANTANAMO BAY, CUBA
28 OCT-29 OCT		UNDERWAY GTMO OPAREA
29 OCT-30 OCT		INPORT GUANTANAMO BAY, CUBA
30 OCT		UNDERWAY GTMO OPAREA
30 OCT-02 NOV		INPORT GUANTANAMO BAY, CUBA
02 NOV-03 NOV		UNDERWAY GTMO OPAREA
03 NOV-04 NOV		ANCHORED GUANTANAMO BAY, CUBA
04 NOV		UNDERWAY GTMO OPAREA
04 NOV-06 NOV		INPORT GUANTANAMO BAY, CUBA
06 NOV		PASSED OPPE CERT AT GTMO
06 NOV-08 NOV		TRANSIT GUANTANAMO BAY, CUBA TO MAYPORT, FL
08 NOV-09 NOV		INPORT MAYPORT, FL
09 NOV-11 NOV		UNDERWAY ASW OPS IN VIRGINIA CAPES OPERATION AREA
11 NOV-27 NOV		INPORT MAYPORT, FL
27 NOV		UNDERWAY INSURV REHEARSAL
27 NOV-01 DEC		INPORT MAYPORT, FL
30 NOV-04 DEC		INSURV
01 DEC		UNDERWAY FOR INSURV TRIAL
01 DEC-31 DEC		INPORT MAYPORT, FL (TOMAHAWK TRAINING/TTQT)
07 DEC-09 DEC		SUPPLY-MANAGEMENT INSPECTION (SMI)
14 DEC-17 DEC		NUCLEAR WEAPONS ASSIST TEAM (NWAT)

III. NARRATIVE

In Ingalls Shipyard USS SPRUANCE completed the most extensive overhaul undergone by a SPRUANCE class ship. 77 SHIPALTS were accomplished during the ROH. 17 of the SHIPALTS were accomplished for the first time on a SPRUANCE Class Destroyer. SPRUANCE received the Vertical Launching System, the all electric modification, new vapor compression distilling plants, and the AN/SQR-19 TACTAS, among others.

The following major modifications to USS SPRUANCE were completed during the yard period:

The installation of the Vertical Launching System (VLS) which replaced the ASROC launcher on the forecastle. SPRUANCE became the first ship to be backfitted with VLS making her capable of carrying 61 Tomahawk cruise missiles.

Modification of the 5 inch 54 caliber gun to the MOD 1 version.

Additional armoring around both 5 inch magazines.

Installation of the Recovery, Assist, Secure and Traverse System (RAST).

Modification to the NATO Sea Sparrow System to allow it to launch the RIM-7M missile.

Extension of the helo hangar superstructure on the starboard side to make room for sonobuoy storage.

Addition of a microwave antenna for link communications with the LAMPS MK III helicopter.

The all electric modification which included: removal of all three waste heat boilers, both steam distilling plants, and all equipment using ship service steam, installation of two electric hot water heaters, two electric lube oil heaters, two electric fuel oil heaters, and various electric space heaters throughout the ship; addition of Load Centers 21 and 32; installation of all electric galley equipment; installation of two vapor compression distilling plants. The only steam piping onboard is a line from one side of the Quarterdeck to the other to provide steam to ships nested outboard.

Installation of the AN/SQQ-89 System.

Addition of the AN/SQR-19 Towed Array Sonar and associated electronic equipment.

Modification to the AN/SQS-53 bow mounted sonar to the AN/SQS-53B.

Addition of two fuel tanks. (SHIPALT DD963-456K)

Addition of watertight doors on the main deck.

Addition of the Turbine Overload Protection System (TOPS).

The Propulsion Examining Board, Atlantic Fleet, conducted the Engineering Light-Off Exam. The exam received a grade of Satisfactory.

Upon completion of the overhaul, USS SPRUANCE made way for NAVSTA Norfolk, Virginia, to fill her storerooms with all the parts kept at the Integrated Logistics Overhaul (ILO) site.

One significant equipment casualty that USS SPRUANCE experienced was the loss of NR 2 Gas Turbine Generator due to a short in the Generator Windings.

While anchored at Patuxent River, Maryland, the ship provided a platform for extensive SH-60B Helicopter operations testing the RAST System and Horizon Reference System as well as the helicopters themselves.

From Patuxent River many crew members brought a friend or family member onboard to join the ship for the "Tiger Cruise" to transit to Mayport, Florida to arrive at the ship's new Homeport.

The Training Readiness Evaluation (TRE) occurred the day after arrival in Mayport and the process of correcting discrepancies began immediately with the assistance of SIMA, MAYPORT during the first Intermediate Maintenance Availability (IMAV) after ROH. USS SPRUANCE completed its Departure Material Status Review (DMSR) and proceeded to GTMO for intensive training.

USS SPRUANCE started refresher training with major ASW exercises which were completed in excellent fashion with grades in the 90s.

While at Refresher Training the crew of USS SPRUANCE captured the title "GTMO WARRIOR" as they took first place overall in the athletic competition sponsored by Guantanamo Bay Fleet Recreation Department.

One major problem receiving high level attention was the inability of the Navy Supply System to provide the ship with the proper chemicals to keep the new vapor compression evaporators making water. COMNAVSURFLANT ensured that the appropriate chemicals made it to Cuba for SPRUANCE in time for her to continue operating.

The day after returning to Mayport, Florida from Guantanamo Bay, Cuba, USS SPRUANCE was tasked to do ASW Operations in the Virginia Capes Operating Area for nine additional days.

The USS SPRUANCE completed a scheduled INSURV inspection held by the Atlantic Fleet Board of Inspection and Survey. The INSURV inspection was deemed a success due to the overall excellent condition of the ship.

The Supply Department then received a Supply management Inspection (SMI) from the NAVSURFLANT Readiness Support Group, earning a grade of Satisfactory.

Statistical Data:

a. Gallons of F-76 (diesel fuel, marine) burned: 2,335,514.
Gallons of JP-5 used: 3,121.
Gallons of JP-5 delivered to Helicopters: 3,077.

b. #1A Gas Turbine Module Hours: 692.0
#1B Gas Turbine Module Hours: 848.9
#2A Gas Turbine Module Hours: 422.7
#2B Gas Turbine Module Hours: 863.1
#1 Gas Turbine Generator Hours: 2,804.1
#2 Gas Turbine Generator Hours: 832.9
#3 Gas Turbine Generator Hours: 2,585.0

c. Ammunition Expended:

TYPE	ROUNDS
5"54	556
20 mm	5,440
50 CAL	2,322
M-60	2,600
M-14	6,310
12 GAUGE	637
45 CAL	5,912
MK-46 TORPEDOES	4
ASROC	0
HARPOON	0
SEASPARROW	1
GRENADE CTG (LINE GUN)	7
SRBOC	34

d. Helo Statistics
Total landings 51
** No casualties experienced.

IV. SUPPORTING DOCUMENTS.

The enclosures listed above are the supporting documents.

T. W. PARKER