DEPARTMENT OF THE NAVY U. S. S. OKLAHOMA CITY (CG-5) FPO SAN FRANCISCO 96601

CG-5/11:red 5740 Ser 11/C 9 18 FEB 1978

- <u>CONFIDENTIAL</u> (Unclassified upon removal of Part III, Tab A to enclosure (1))
- From: Commanding Officer, USS OKLAHOMA CITY (CG-5) To: Director of Naval History (OP-09B9)
- Subj: Command History for USS OKLAHOMA CITY (CG-5) for calendar year 1977; submission of
- Ref: (a) OPNAVINST 5750.12B (b) CINCPACFLTINST 5750.2B
- Encl: (1) USS OKLAHOMA CITY (CG-5) 1977 Command History

1. In accordance with references (a) and (b), the Command History for USS OKLAHOMA CITY (CG-5) for the period 1 January 1977 through 31 December 1977 is submitted herewith as enclosure (1).

T. R. COLLIGAN

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CHRONOLOGY OF EVENTS

JANUARY 1977

01-09	Holiday leave and upkeep period in Yokosuka, Japan
-10	Individual Ship Exercises in the Northern Japan Operating
	Areas
11-14	Operations in the Northern Japan Operating Areas with
	Task Group 77.4
-15	Individual Ship Exercises/Type Training (Refresher Training)
16-18	Work-up for Readiness Exercise 1-77 in the Philippine Sea
19-21	Readiness Exercise 1-77 in the Philippine Sea
-22	En route to Subic Bay, Republic of the Philippines
23-31	Upkeep at Subic Bay, Republic of the Philippines

FEBRUARY 1977

-01	Upkeep at Si	ubic Bay, Re	epublic	of the Phil	Lippine	S
02-04	Operational	Propulsion	Plant B	Examination	in the	South

- China Sea
- 05-06 Inport at Subic Bay, Republic of the Philippines
- 07-10 En route to Yokosuka, Japan
- 11-13 Inport at Yokosuka, Japan
- 14-28 Incremental Overhaul at Yokosuka, Japan (Ship Repair Facility)

MARCH 1977

01-31 Incremental Overhaul at Yokosuka, Japan (Ship Repair Facility)

<u>APRIL 1977</u>

01-05	Upkeep at Yokosuka, Japan
-06	Sea Trials in the Northern Japan Operating Areas
07-10	Ready for Sea Period at Yokosuka, Japan
11-15	Individual Ship Exercises/Type Training in the Northern
	Japan Operating Areas (Refresher Training)
16-20	En route to the South China Sea (Refresher Training)
21-23	Individual Ship Exercises/Type Training in the South China
	Sea (Refresher Training)
01 00	

- 24-29 Upkeep at Subic Bay, Republic of the Philippines
- -30 Individual Ship Exercises/Type Training in the South China Sea (Missile Systems--Ship Qualification Tests)

MAY 1977

01-07	Ship Qualification Tests in the South Cha	ina Sea
08-10	Nuclear Weapons Assistance Inspection pre	eparations in
	the South China Sea	
11-13	Nuclear Weapons Assistance Inspection in	the South
	China Sea	

13-16 Protocol visit to Manila, Republic of the Philippines

-16 En route to Subic Bay, Republic of the Philippines

- 16-18 Inport at Subic Bay, Republic of the Philippines -18 Type Training in the South China Sea
- Type Training in the South China Sea
 Gunfire Support Exercises at Leon Creek, Republic of the Philippines
- -20 En route to Kaohsiung, Taiwan
- 21-24 Protocol visit to Kaohsiung, Taiwan
- 25-27 En route to Yokosuka, Japan
- 28-30 Upkeep at Yokosuka, Japan

<u>JUNE 1977</u>

01-19	Upkeep	at	Yokosuka,	Japan
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- -20 Independent Ship Exercises/Type Training en route to Inchon, Korea
- 21-23 En route to Inchon, Korea (Independent Steaming)
- 24-28 Protocol visit to Inchon, Korea (at anchorage)
- -29 En route to the East China Sea
- -30 Independent Ship Exercises/Type Training in the East China Sea

<u>JULY 1977</u>

- 01-02 En route to Otaru, Japan
- 03-05 Protocol visit to Otaru, Japan
- 06-07 En route to Yokosuka, Japan
- 08-31 Upkeep at Yokosuka, Japan

<u>AUGUST 1977</u>

- 01-14 Upkeep at Yokosuka, Japan
- 15-18 En route to Leon Creek, Republic of the Philippines-19 Naval Gunfire Support Exercises at Leon Creek, Republic
- of the Philippines
- 20-23 En route to Surabaya, Indonesia
- -24 Passing Exercise (PASSEX) with the Indonesian Navy
- 25-26 Protocol visit to Surabaya, Indonesia
- 27-28 En route to Singapore
- 29-31 Protocol visit to Singapore

-01	Protocol visit to Singapore
-02	En route to Penang, Malaysia
03-06	Protocol visit to Penang, Malaysia
07-09	En route to Pattaya, Thailand
10-13	Protocol visit to Pattaya, Thailand (at anchorage)
14-19	En route to Hong Kong, BCC
20-22	Protocol visit to Hong Kong, BCC
23-26	En route to Yokosuka, Japan

27-30 Upkeep at Yokosuka, Japan

OCTOBER 1977

- 01-06 Upkeep at Yokosuka, Japan
- 07-08 En route to Buckner Bay, Okinawa
- -09 At anchorage at Buckner Bay, Okinawa
- 10-21 Operationa FORTRESS LIGHTNING in the Philippine/South China Seas
- 22-25 Protocol visit to Manila, Republic of the Philippines
- 26-29 En route to Yokosuka, Japan
- 30-31 Upkeep at Yokosuka, Japan

NOVEMBER 1977

01-30 Upkeep at Yokosuka, Japan

DECEMBER 1977

- -01 Upkeep at Yokosuka, Japan
- 02-04 Escort USS KITTY HAWK in the East China Sea
- 05-08 Antisubmarine Warfare Exercise Kl-78 in the East China Sea
- 09-12 Protocol visit to Sasebo, Japan
- 13-14 En route to Yokosuka, Japan
- 15-31 Holiday leave and upkeep period, Yokosuka, Japan

<u>part II</u>

BASIC HISTORY

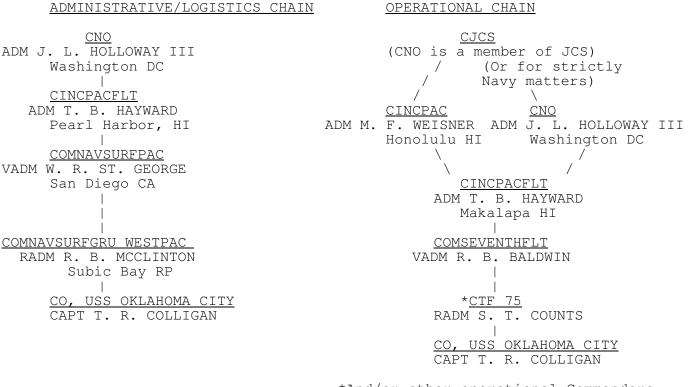
IIA COMMAND ORGANIZATION AND RELATIONSHIPS

IIB SUMMARY OF OPERATIONS

COMMAND ORGANIZATION AND RELATIONSHIP

The Commanding Officer of the USS OKLAHOMA CITY (CG-5) throughout the year has been Captain Thomas Richard COLLIGAN, U. S. Navy. The ship's Executive Officer is Commander James Arthur SHRECKENGAUST, U. S. Navy. He relieved Commander George Ross SKINNER, U. S. Navy on 10 November 1977.

USS OKLAHOMA CITY is under the Administrative Control of Commander Naval Surface Group, Western Pacific. However, as a ship of the SEVENTH Fleet, Commander Cruiser-Destroyer Force, SEVENTH Fleet serves as the immediate Unit Commander and schedules the ship for its various annual assist visits and inspections due to the remoteness of the Immediate Superior in Command in the Chain of Command. OKLAHOMA CITY is the Command Ship for, and is under the Operational Control of, Commander SEVENTH Fleet. As Command Ship, OKLAHOMA CITY is designated as SEVENTH Fleet Command Ship Group, TG 70.1, with the Commanding Officer as Task Group Commander. When involved with Naval Gunfire Support Operations, the ship is assigned to Task Force 75 (Cruiser-Destroyer Force SEVENTH Fleet). OKLAHOMA CITY's Operational, Administrative and Material/Logistics Chains of Command are depicted below:



*And/or other operational Commanders as may be assigned.

OKLAHOMA CITY is homeported in Yokosuka, Japan, as a unit of the Overseas Family Residency Program (OFRP).

Internally, OKLAHOMA CITY is organized into ten departments as follows:

Administrative Navigation Operations Communications Weapons Engineering Supply Medical Dental Marine Detachment

SUMMARY OF OPERATIONS

Following a holiday upkeep period in the ship's homeport of Yokosuka, Japan, USS OKLAHOMA CITY (CG-5) got underway for sea on 9 January 1977 for three weeks of operations and training. The first day's operations were highlighted by the visit of four Japanese Maritime Self-Defense Force officers from JDS AKIZUKI (DD-161). The visitors sailed with the ship, observed a day of navigation and radar exercises and were returned to Yokosuka via helicopter that afternoon.

The first week of this underway period was spent with USS MIDWAY (CV-41) and units of Task Group 77.4 in the Northern Japan/Okinawa area. On 16 January, READEX 1-77, a major SEVENTH Fleet exercise, commenced involving two carriers and approximately 25 surface and sub-surface ships. Upon completion of READEX 1-77, OKLAHOMA CITY entered Subic Bay, R.P. for one week of upkeep and preparations for the Operational Propulsion Plant Examination (OPPE). The OPPE was conducted 2-4 February inport Subic Bay and in the Subic Operating areas. The Pacific Fleet Propulsion Examining Board (PEB) that administered the examination, found the ship to be safe to steam after correction of several safety discrepancies.

Following several more days of upkeep in Subic Bay, the flagship sailed for Yokosuka, Japan, arriving on 13 February, and spent the remainder of the quarter in overhaul at the Ship Repair Facility, Yokosuka. This period, Incremental Overhaul Increment 3, included drydocking of the ship for routine hull maintenance during the period 14 February – 25 March. Major work conducted during Incremental Overhaul 3 included installation of the first of three major air conditioning SHIPALTS; installation of the Integrated Command and Control/Weapons Direction System (ICC/WDS); and completion of installation of the AIMS MK-12 Identification Friend or Foe (IFF) System.

The ship completed Incremental Overhaul 3 on 7 April 1977 and commenced a significant period of training and exercises which dominated the remainder of the quarter. Ship Qualification Trials (SQT) were conducted during the periods 11-23 April and 30 April - 7 May. These trials were conducted by a team from the Naval Ship Weapon Systems Engineering Station (NAV-SHIPWPNSYSENGSTA), Port Hueneme, California, and were designed to test, evaluate and certify the ship's combat systems, including all sensors, direction systems, weapons and countermeasures systems. A primary reason for the conduct of the trials was to evaluate the performance of the Integrated Command and Control/Weapons Direction System (ICC/WDS) which had been installed during Incremental Overhauls 2 and 3. The SQT was completed successfully with two missile firings on 8 May. One missile shot was a direct hit and the second was evaluated as a tracking system failure.

Concurrent with SQT, OKLAHOMA CITY participated in a Training Assist (TA) conducted by Commander Fleet Training Group, Western Pacific. Over 195 individual exercises were conducted in areas of operations, gunnery, seamanship, damage control, communications and electronics during the periods 11-16 April and 30 April - 5 May. During the period late April-early May, the ship also conducted other (classified) weapons training and qualification exercises and inspections, reloaded its entire complement of ammunition (which was offloaded during dry docking), and conducted Naval Gunfire Support Exercises off Leon Creek, R.P. on 21-22 April and 19 May.

On 16-18 May, Rear Admiral R. M. COLLINS, USN, Commander Naval Surface Group, Western Pacific, the ship's administrative senior, and his Staff conducted a Command Inspection on OKLA-HOMA CITY in Subic Bay, R.P.

After completion of the above-outlined trials, exercises and inspections, the ship visited Manila, R.P. from 13-16 May. During the visit, the Commander SEVENTH Fleet, Vice Admiral R. B. BALDWIN, embarked in OKLAHOMA CITY, hosted the Honorable Juan P. ENRILE, Secretary of National Defense, and Rear Admiral Ernesto R. OGBINAR, Flag Officer in Charge, Philippine Navy at a reception on the forecastle of the flagship. A Civic Action Project was conducted at the Manila Public Library and over 150 visitors toured the ship during special group tours. Upon completion of the port visit, the ship hosted a dependents' and friends' Guest Cruise from Manila to Subic Bay, R.P. Among the many guests was Rear Admiral OGBINAR.

After a half-day stay at Subic Bay, the ship transited to Kaohsiung, Taiwan, for a visit from 21-24 May 1977. The visit was highlighted by the presence of Premier CHIANG, Chingkuo at a reception hosted onboard the flagship by Vice Admiral BALDWIN. Also hosted by the Commander SEVENTH Fleet were Admiral TSOU, Chien, Commander-in-Chief, Chinese Navy, and Lieutenant General HUANG, Kuang Lo, Commandant, Chinese Marine Corps. As a token of Chinese-American friendship, Premier CHIANG made a gift of 600 watermelons and other fruit to the crew of OKLAHOMA CITY. The ship also participated in a Civic Action Project ashore at the Bethany Polio Home in Pingtung and was visited by many school, military and civic groups as part of group visiting.

Upon returning to Yokosuka on 28 May, the ship commenced Incremental Overhaul 4, which extended through 19 June. After

completion of this overhaul, OKLAHOMA CITY spent four days of type training and transit time en route to a visit at Inchon, Korea, 24-28 June. As part of the protocol during the visit, Vice Admiral BALDWIN hosted Admiral HWANG, Chong Yon, Chief of Naval Operations, Republic of Korea Navy, and the Honorable KIN, Tai Ho, Mayor of Inchon, at a luncheon onboard the flagship. A Civic Action Project was conducted at the Sim Won Orphanage in Seoul, but the fact that the ship was anchored in Inchon Harbor limited general visiting to several hundred in special groups.

OKLAHOMA CITY departed Inchon on 29 June for three days of independent steaming en route to join with the Japanese Maritime Self-Defense Force ship JDS AKIZUKI (DD-161) for eight days of Sister-Ship operations.

Joining OKLAHOMA CITY and AKIZUKI for the eight days of operations (1-8 July) were USS FRANCIS HAMMOND (FF-I067) and USS WHITE PLAINS (AFS-4). Operations took place in the Sea of Japan and the East China Sea where heavy fog caused cancellation of many of the planned exercises and training evolutions. Port visits were conducted with OKLAHOMA CITY visiting Otaru, Japan, 3-5 July 1977. Vice Admiral BALDWIN was called on by the American Consul to Sapporo, Mr. Lawrence F. FARRAR; Mayor of Otaru, the Honorable Mr. SHIMURA; and hosted aboard the flagship, among others, Lieutenant General Shoji TANAKA, JLSDF, Commanding General, Northern Army Headquarters. A Civic Action Project was conducted at the Zenibago Handicapped Children's Home and the Otaru Municipal Hall on 5 July. During the visit, over 2,700 Japanese Nationals visited the ship as part of special tours and general visiting.

OKLAHOMA CITY/AKIZUKI operations were completed on 8 July with the ship's entry into homeport for 30 days of Incremental Overhaul 5, ending 14 August 1977. During the inport period, Rear Admiral John D. BULKELEY, President, Board of Inspection and Survey (INSURV) and the Washington, D.C. and Pacific IN-SURV Boards conducted an INSURV inspection of the ship. This extensive and thorough inspection, which included both static and dynamic tests of all ship's systems, found the ship "fit for further service" (a finding not afforded her sister ship, USS LITTLE ROCK (CG-4) a year earlier), after correction of a number of mission-degrading and safety discrepancies.

After INSURV and prior to a long protocol "swing" through the South China Sea, OKLAHOMA CITY hosted over 400 guests on a Dependents' Cruise, 11 August in Tokyo Wan.

On 15 August, the ship departed Yokosuka en route Surabaya, Indonesia, spending 19 August on the "gun range" at Leon

Creek, R.P., where low clouds, rain and fog again prevented the ship from realizing either qualification or significant training benefit from the few gunfire exercises fired. On 22 August, Davey Jones, King Neptune and the Royal Court came aboard to initiate over 450 crewmembers into the Royal Order of Shellbacks. Prior to entering Surabaya, OKLAHOMA CITY participated, on 24 August, in a one-day Passing Exercise (PASSEX) with the Indonesian ships KRI MULTATULI (AGF-561) and KRI MONGINSIDI (DD-343). The exercise consisted of tactical communications and simulated gunfire drills.

During the succeeding two-day visit to Surabaya, Commander SEVENTH Fleet was called on by Rear Admiral Prasodjo MAHDI, Commander Indonesian Armada and the ship and staff officers were hosted at a reception ashore by Rear Admiral MAHDI. Various tours were conducted onboard the flagship and a Civic Action Project group helped paint a school outside Surabaya. In addition, several athletic contests were held during this port visit.

The period 27-28 August was spent en route to a four-day visit to Singapore. Highlight of the Singapore visit was the hosting aboard the flagship of 10 members of the American Businessmen's Council, a group of influential Americans living in Singapore. Upon departure from Singapore, Brigadier John SMITH, Commander New Zealand Forces, Southeast Asia rode the ship to its next port-of-call, Penang, Malaysia. On this visit (3-6 September, Vice Admiral BALDWIN hosted U. S. Ambassador MILLER and His Excellency TUN SARDON, Governor of Penang, onboard the flagship.

OKLAHOMA CITY continued her protocol "swing" with a visit to Pattaya Beach, Thailand, 14-17 September. The flagship anchored approximately one mile off this newest of Southeast Asia's beach resort areas and utilized local hire boats for liberty and shore leave. For the first time in the memory of even the old-timers, liberty parties waded ashore from the boats as no boating pier facilities were available. Wet feet did not dampen the enthusiasm of the crew for this very popular visit. Captain T. R. COLLIGAN, Commanding Officer, hosted Admiral Satap KEYANON, Commander-in-Chief, Royal Thai Fleet; the Honorable Booncheuy SRISARAKHAM, Governor of Chonburi Province and Vice Admiral Smut SAHANAVIN, Commander Sattahip Naval Base, at lunch onboard the flagship. Due to the boating problems, no visiting was held at Pattaya Beach.

Upon departure from Pattaya Beach, OKLAHOMA CITY set course for Hong Kong, B.C.C., but tropical storm, and later, Typhoon Dinah moved in smartly from the southeast and delayed the ship's arrival by two days. Originally scheduled for 18-22 September, the visit was actually 20-22 September, with many protocol events canceled due to the late arrival. General visiting was

held with over 3,000 local residents visiting the ship. A Civic Action Project was conducted at the St. Christopher's Orphanage, New Territories, and Vice Admiral BALDWIN hosted, inter alia, Captain R. L. GARNONS-WILLIAMS, Royal Navy, Captain-in-Charge Hong Kong, at lunch onboard the flagship.

The quarter ended with a rough transit (23-26 September) from Hong Kong to Yokosuka, which included one day evading tropical storm Freda, and upkeep at Ship Repair Facility, Yokosuka, 27-30 September 1977.

OKLAHOMA CITY continued upkeep at Yokosuka during the beginning of the final quarter year, departing on 7 October for Buckner Bay, Okinawa, where precision anchoring exercises were conducted on 9 October.

The following day, 10 October, OKLAHOMA CITY and several other combatants of the SEVENTH Fleet, along with units of the Philippine Navy, embarked on a major amphibious warfare training exercise (FORTRESS LIGHTNING) in the Philippine and South China Seas. The Marine Detachment was particularly active in the exercise, involving troop movement both at sea and ashore.

Following the completion of FORTRESS LIGHTNING on 21 October, the flagship paid a protocol visit to Manila, R.P. from 22-25 October. Among the dignitaries making calls on Commander SEVENTH Fleet were General Romeo C. Espino, Chief of Staff, Armed Forces of the Philippines; Rear Admiral Ernesto R. OGBINAR, Flag Officer in Charge, Philippine Navy, and Commodore Rodolfo M. PUNSALANG, Commander, Philippine Marines. On 23 October, over 4,000 visitors toured the ship when OKLA-HOME CITY was opened to special tours and general visiting. On the same day, 11 volunteers painted a wing of the White Cross Home for children of tuberculous parents, as a Civic Action Project.

A three-day transit to Yokosuka, 26-29 October, was followed by a 33-day upkeep period, 30 October - 1 December.

On 10 November, Commander James A. SHRECKENGAUST, USN, relieved Commander George R. SKINNER, USN, as Executive Officer of OKLAHOMA CITY.

Underway on 2 December, OKLAHOMA CITY, escorting USS KITTY HAWK (CV-63), began an Antisubmarine Warfare Exercise in the Sea of Japan (ASWEX KL-78), which continued through 8 December. During the exercise, Admiral HWANG, Chief of Naval Operations, Republic of Korea Navy, visited the ship on 6 December. The Secretary of the Navy, the Honorable W. Graham CLAYTOR, Jr., also visited OKLAHOMA CITY during his tour of the Western Pacific on 8 December.

Upon completion of ASWEX K1-78, the ship made its way to Sasebo, Japan, for a protocol visit, 9-12 December. While in Sasebo, Vice Admiral Tsugio YATA, Commandant, Regional District Headquarters, JMSDF, Sasebo; Vice Admiral W. R. St. GEORGE, USN, Commander Naval Surface Force, U. S. Pacific Fleet, and Captain Donald F. X. McPADDEN, USN, Commanding Officer, Naval Ordnance Facility, Sasebo, each made calls on Commander SEVENTH Fleet.

In addition, over 3,700 visitors toured the ship in Sasebo during special tours and general visiting, and 16 rooms of the Seifuen Orphanage were painted by 36 volunteers during a Civic Action Project held on 11 December.

Two days in transit brought the flagship home to Yokosuka for holiday leave and upkeep, 15 December through the end of calendar year 1977.

During calendar year 1977, the following promotions were effected:

Captain1
Commander2
Lieutenant6
Lieutenant {junior grade)8
CWO4
CWO31
SCP0
CPO11
PO1
PO2
PO3186

The following awards were received by OKLAHOMA CITY's crewmembers:

The following are major equipment casualties which occurred during calendar year 1977:

JANUARY-FEBRUARY-MARCH EQUIPMENT DATE FAILED Message Processing and Dis-11 Mar 77 tribution System (MPDS) APRIL-MAY-JUNE AN/UYK-20 05 Apr 77 AN/SPG-49A MFCS Radar #5 08 Apr 77 #2 Emergency Diesel 12 Apr 77 AN/SPS-43A 2D Air Search Radar13 Apr 776"/47 Triple Gun Turret17 Apr 77 AN/SFS 101 226"/47 Triple Gun TurretAN/SPW-2A Guidance Radar #2#4 BoilerAN/SPG-49A MFCS Radar #6ON-143(V)USQ Interconnecting GpII Jun 77WYCDC 400 MFCS Radar #525 Jun 77 JULY-AUGUST-SEPTEMBER MK 37 Mod 30 Director 12 Aug 77 AN/SPG-49A MFCS Radar #6 03 Sep 77 17 Sep 77 MK 1A Mod 13 Computer OCTOBER-NOVEMBER-DECEMBER #1 SSTG 22 Oct 77 #4 Boiler 19 Dec 77 19 Dec 77 #3 Main Engine

PART III

DOCUMENTARY ANNEXES

- IIIA COMMANDING OFFICER'S QUARTERLY NARRATIVE REPORTS
 - 1. Second Quarter, FY 77
 - 2. Third Quarter, FY 77
 - 3. Fourth Quarter, FY 77
 - 4. First Quarter, FY 78
- IIIB ENGINEERING STATISTICS
- IIIC USS OKLAHOMA CITY NOTICE 1301 OF 11 NOVEMBER 1977; SUBJ: PRIMARY AND COLLATERAL DUTIES AND OFFICER PRECEDENCE LIST
- IIID COPIES OF PLANS OF THE DAY FOR HOLIDAYS/SPECIAL OCCASIONS
- IIIE REPRESENTATIVE "WELCOME ABOARD" BROCHURE
- IIIF PHOTOGRAPH OF COMMANDING OFFICER
- IIIG "STEAMING WITH OK-CITY" MAGAZINE
- IIIH REPRESENTATIVE "FAMILYGRAM"
- IIII COPIES OF USS OKLAHOMA CITY NOTICE 5720 SERIES ON SHIP'S VISITS TO PROTOCOL PORTS THROUGHOUT CALENDAR YEAR 1977

ENGINEERING STATISTICS

JANUARY 1977

1. During the month the ship distilled 1,164,590 gallons of fresh and feedwater, utilizing #1 evaporator for 446 hours, #2 evaporator for 437 hours, #3 evaporator for 378 hours, and #4 evaporator for 202 hours.

2. O gallons of JP-5 were received while 717 gallons were expended to the ship's helo, boats and gas turbine generator.

3. 685,074 gallons of ND fuel were received while 702,077 were expended.

4. The ship steamed 310.7 hours underway and 171.2 hours inport. The ship was cold iron for 263.1 hours.

5. The ship steamed #1 boiler for 304.2 hours, #2 boiler for 207.9 hours, #3 boiler for 196.0 hours, and #4 boiler for 190.3 hours.

FEBRUARY 1977

1. During the month the ship distilled 332,110 gallons of fresh and feedwater, utilizing #1 evaporator for 202 hours, #2 evaporator for 159 hours, #3 evaporator for 115 hours, and #4 evaporator for 78 hours.

2. O gallons of JP-5 were received while 1,142 gallons were expended to the ship's helo, boats and gas turbine generator.

3. 116,073 gallons of ND fuel were received while 430,593 were expended.

4. The ship steamed 143.1 hours underway and 118 hours inport. The ship was cold iron for 409.9 hours.

5. The ship steamed #1 boiler for 197.5 hours, #2 boiler for 147.4 hours, #3 boiler for 84.3 hours, and #4 boiler for 18.7 hours.

MARCH 1977

1. During the month the ship distilled 0 gallons of fresh and feedwater, utilizing #1 evaporator for 4 hours, #2 evaporator for 4 hours, #3 evaporator for 0 hours, and #4 evaporator for 0 hours.

2. 25,470 gallons of JP-5 were received while 377 gallons were expended to the ship's helo, boats and gas turbine generator.

3. 599,654 gallons of ND fuel were received while 3,888 gallons were expended.

4. The ship steamed 0 hours underway and 28.8 hours inport. The ship was cold iron for 715.2 hours.

5. The ship steamed #1 boiler for 28.8 hours, #2 boiler for 0 hours, #3 boiler for 0 hours, and #4 boiler for 0 hours.

<u>APRIL 1977</u>

1. During the month the ship distilled 1,271,900 gallons of fresh and feedwater, utilizing #1 evaporator for 636 hours, #2 evaporator for 499 hours, #3 evaporator for 358 hours, and #4 evaporator for 78 hours.

2. O gallons of JP-5 were received while 6,298 gallons were expended to the ship's helo, boats and gas turbine generator.

3. 609,441 gallons of ND fuel were received while 602,251 gallons were expended.

4. The ship steamed 302.4 hours underway and 373.2 hours inport. The ship was cold iron for 44.4 hours.

5. The ship steamed #1 boiler for 266.8 hours, #2 boiler for 274.6 hours, #3 boiler for 359.4 hours, and #4 boiler for 191.0 hours.

MAY 1977

1. During the month the ship distilled 1,093,680 gallons of fresh and feedwater, utilizing #1 evaporator for 596 hours, #2 evaporator for 520 hours, #3 evaporator for 115 hours, and #4 evaporator for 386 hours.

2. 0 gallons of JP-5 were received while 3,455 gallons were expended to the ship's helo, boats and gas turbine generator.

3. 690,497 gallons of ND fuel were received while 749,473 gallons were expended.

4. The ship steamed 471.9 hours underway and 218.8 hours inport. The ship was cold iron for 53.3 hours.

5. The ship steamed #1 boiler for 227.1 hours, #2 boiler for 420.2 hours, #3 boiler for 228.7 hours, and #4 boiler for 239.5 hours.

JUNE 1977

1. During the month the ship distilled 472,360 gallons of fresh and feedwater, utilizing #1 evaporator for 296 hours, #2 evaporator for 302 hours, #3 evaporator for 155 hours, and #4 evaporator for 34 hours.

2. 0 gallons of JP-5 were received while 1,659 gallons were expended to the ship's helo, boats and gas turbine generator.

3. 304,016 gallons of ND fuel were received while 288,632 gallons were expended.

4. The ship steamed 127.4 hours underway and 233.2 hours inport. The ship was cold iron for 359.4 hours.

5. The ship steamed #1 boiler for 251.7 hours, #2 boiler for 77.9 hours, #3 boiler for 151.7 hours, and #4 boiler for 50.2 hours.

JULY 1977

1. During the month the ship distilled 528,600 gallons of fresh and feedwater, utilizing #1 evaporator for 264 hours, #2 evaporator for 188 hours, #3 evaporator for 146 hours, and #4 evaporator for 115 hours.

2. O gallons of JP-5 were received while 441 gallons were expended to the ship's helo, boats and gas turbine generator.

3. 269,242 gallons of ND fuel were received while 239,621 gallons were expended.

4. The ship steamed 118.4 hours underway and 186.5 hours inport. The ship was cold iron for 439.1 hours.

5. The ship steamed #1 boiler for 239.9 hours, #2 boiler for 63.4 hours, #3 boiler for 5.2 hours, and #4 boiler for 133.6 hours.

AUGUST 1977

1. During the month the ship distilled 993,932 gallons of fresh and feedwater, utilizing #1 evaporator for 529 hours, #2 evaporator for 551 hours, #3 evaporator for 323 hours, and #4 evaporator for 218 hours.

2. 0 gallons of JP-5 were received while 2,266 gallons were expended to the ship's helo, boats and gas turbine generator.

3. 591,214 gallons of ND fuel were received while 784,487 gallons were expended.

4. The ship steamed 321.1 hours underway and 288.1 hours inport. The ship was cold iron for 139.3 hours.

5. The ship steamed #1 boiler for 151.9 hours, #2 boiler for 362.5 hours, #3 boiler for 470.0 hours, and #4 boiler for 784.2 hours.

SEPTEMBER 1977

1. During the month the ship distilled 842,963 gallons of fresh and feedwater, utilizing #1 evaporator for 518 hours, #2 evaporator for 432 hours, #3 evaporator for 296 hours, and #4 evaporator for 237 hours.

2. 0 gallons of JP-5 were received while 6,414 gallons were expended to the ship's helo, boats and gas turbine generator.

3. 847,879 gallons of ND fuel were received while 926,166 gallons were expended.

4. The ship steamed 352.0 hours underway and 290.1 hours inport. The ship was cold iron for 139.3 hours.

5. The ship steamed #1 boiler for 151.9 hours, #2 boiler for 362.5 hours, #3 boiler for 470.0 hours, and #4 boiler for 784.2 hours.

OCTOBER 1977

1. During the month the ship distilled 1,307,380 gallons of fresh and feedwater, utilizing #1 evaporator for 570 hours, #2 evaporator for 607 hours, #3 evaporator for 470 hours, and #4 evaporator for 443 hours.

2. O gallons of JP-5 were received while 441 gallons were expended to the ship's helo, boats and gas turbine generator.

3. 830,857 gallons of ND fuel were received while 939,094 gallons were expended.

4. The ship steamed 430.1 hours underway and 194.9 hours inport. The ship was cold iron for 119.0 hours.

5. The ship steamed #1 boiler for 295.2 hours, #2 boiler for 256.3 hours, #3 boiler for 377.1 hours, and #4 boiler for 219.2 hours.

NOVEMBER 1977

1. During the month the ship distilled 54,870 gallons of fresh and feedwater, utilizing #1 evaporator for 26 hours, #2 evaporator for 37 hours, #3 evaporator for 39 hours, and #4 evaporator for 0 hours.

2. 15,006 gallons of JP-5 were received while 0 gallons were expended to the ship's helo, boats and gas turbine generator.

3. 286,358 gallons of ND fuel were received while 9,362 gallons were expended.

4. The ship steamed 0 hours underway and 138.0 hours inport. The ship was cold iron for 582.0 hours.

5. The ship steamed #1 boiler for 18.8 hours, #2 boiler for 3.9 hours, #3 boiler for 104.9 hours, and #4 boiler for 31.0 hours.

DECEMBER 1977

1. During the month the ship distilled 709,810 gallons of fresh and feedwater, utilizing #1 evaporator for 397 hours, #2 evaporator for 335 hours, #3 evaporator for 227 hours, and #4 evaporator for 141 hours.

2. 0 gallons of JP-5 were received while 8,104 gallons were expended to the ship's helo, boats and gas turbine generator.

3. 339,954 gallons of ND fuel were received while 516,544 gallons were expended.

4. The ship steamed 218.5 hours underway and 132.8 hours inport. The ship was cold iron for 392.7 hours.

5. The ship steamed #1 boiler for 156.1 hours, #2 boiler for 181.0 hours, #3 boiler for 42.1 hours, and #4 boiler for 200.8 hours.