

1971



USS KITTY HAWK (CVA-63)  
FLEET POST OFFICE  
SAN FRANCISCO, 96601

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CVA63/ 5720  
Ser 32/ 018  
1 March 1972

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From: Commanding Officer, USS KITTY HAWK (CVA-63)  
To: Chief of Naval Operations (OP-05D2)

Subj: USS KITTY HAWK (CVA-63) Command History, 1971; forwarding of

Ref: (a) OPNAVINST 5750.12A  
(b) USS KITTY HAWK INST 5750.1

Encl: (1) USS KITTY HAWK (CVA-63) Command History, 1971  
(2) Officers Roster  
(3) Enlisted Roster

1. In accordance with references (a) and (b), enclosure (1) is submitted.

*O. H. Oberg*  
O. H. OBERG

Copy to:  
CNO (OP-09B9) (Less encl 2 and 3)  
CINCPACFLT (Less encl 2 and 3)  
COMNAVAIRPAC, Code 10 (Less encl 2 and 3)

Declassified by authority of the Director  
of Naval History on 12/5/77, action by  
[Signature] Naval Historical Center in  
accordance with OPNAVINST 5510.1

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NARRATIVE OF EVENTS

[REDACTED]

(C) 1 January 1971, Leyte Pier, NAS Cubi Point, Philippine Islands, - USS KITTY HAWK (CVA-63) with Air Wing ELEVEN onboard moored while her crew relaxed from the first line period (8 December - 29 December 1970) of the 1970-1971 deployment. This was the fifth combat cruise for KITTY HAWK and once again she was the flagship for Commander Task Force Seventy Seven, (COMCARDIV FIVE) Vice Admiral Frederic A. Bardshar, USN. Captain Earl F. Godfrey, USN commanded and was designated Commander, Task Group Seventy Seven Point Five.

(C) On 11 January KITTY HAWK got underway for the second line period on Yankee Station that commenced on 13 January and ended 3 February. Strikes were flown by Airwing Eleven aircraft against interdiction targets in Laos and South Vietnam.

(U) KITTY HAWK arrived at Subic Bay, Philippines on 5 February for an upkeep period before departing for Hong Kong on 9 February. She arrived in Hong Kong on 12 February and was met by ~~one hundred thirty KITTY HAWK~~ Airwing ELEVEN wives who flew over from San Diego on the KITTY HAWK Wives' Club charter flight. KITTY HAWK weighed anchor on 18 February and arrived back on Yankee Station 21 February.

(C) KITTY HAWK launched her Airwing ELEVEN aircraft into the battle of Lam Son 719 immediately upon return to the line. Lam Son 719 was the South Vietnamese ground offensive into Laos to cutoff the supply routes from the RVN border to Tchepone, Laos and to capture or destroy the immense storages of supplies cached in the area by the North Vietnamese before the onset of the ~~Southwest monsoon season~~. Heavy reaction by North Vietnamese offered vulnerable targets such as tanks, trucks and moving troops to the striking aircraft. KITTY HAWK remained on the line from 21 February until 31 March when Lam Son 719 ended, a period of thirty nine days.

(U) KITTY HAWK's only aircraft loss of the 1970-1971 deployment was an operational loss of an A7E on 27 February 1971. Commander Paul F. McCarthy, Executive Officer of VA-195 was forced to eject from his aircraft as he returned to the ship after a mission in Laos. He was rescued uninjured by an Air Force Jolly Green helicopter in the waters off Danang, RVN.

(U) On 3 March, Rear Admiral Damon W. Cooper, USN, relieved Vice Admiral Frederic A. Bardshar, USN, as Commander, Task Force Seventy Seven while at sea aboard KITTY HAWK in sight of Danang, RVN.

(C) KITTY HAWK strike sorties swept into North Vietnam against surface-to-air missile support and logistics facilities in Fracture Cross Alpha, a joint Air Force/Navy operation conducted on 21 March and dealt heavy damage and destruction against the objectives.

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(C) KITTY HAWK left the line on 1 April for Subic Bay. The ship's Terrier Missile Battery fired one BT 3A missile at an AQM-34 target. The missile broke up during its boost phase.

(C) KITTY HAWK arrived in Subic Bay for upkeep and liberty on 3 April and departed 7 April for Yankee station for the fourth line period which lasted from 10-25 April.

(U) On 12 April, 1971, Captain Owen H. Oberg, USN, relieved Captain Earl F. Godfrey as Commanding Officer, USS KITTY HAWK.

(C) On protective reaction of a Blue Tree Reconnaissance RA5C taken under fire by the North Vietnamese at Quan Lang Airfield, DRV, KITTY HAWK aircraft attacked anti-aircraft artillery sites and wrought incidental destruction to two MIG-21 Fishbed aircraft on strip alert.

(C) KITTY HAWK again entered Subic Bay for upkeep, and liberty from 27-30 April. In early May the ship fired a BT 3A Terrier missile at an AQM-34 target from Poro Point Range, Philippines. Missile success was undetermined since telemetering was lost during flight. Special Operations were conducted on Yankee Station were again conducted from 4-16 May.

(U) On 16 May KITTY HAWK departed Yankee Station in transit to Sasebo, Japan. Enroute Exercise Blue Sky, an air defense exercise within Taiwan was conducted with the Nationalist Chinese Air Force. KITTY HAWK arrived in Sasebo, Japan on 21 May for five days of upkeep and liberty.

(C) KITTY HAWK departed Sasebo, Japan, on 26 May and returned to Yankee Station for the sixth and last line period of the 1970-1971 deployment. The sixth line period commenced 30 May and ended 23 June. On 6 June one HT 3A Terrier missile was fired by the ship against a BQM-34 from Poro Point Range, Philippines. Telemetering was lost due to "noise" during flight. Success of the firing was undetermined.

(U) On 26-30 June, KITTY HAWK moored at Leyte Pier, NAS Cubi Point in Subic Bay, Philippines and took on provisions for her transit east. Commander, Task Force Seventy Seven debarked during this period.

(C) On 1 July KITTY HAWK was underway for Hawaii. Five days out, on 5 July, four Soviet Bear "D" aircraft overflew KITTY HAWK on a surveillance mission. KITTY HAWK F4J's intercepted the Bear aircraft at distances greater than 100NM from the ship.

(U) After two days in Hawaii on 11 and 12 July, the ship was again underway early on 13 July. KITTY HAWK arrived at homeport San Diego on 17 July thus completing her eight and one half month deployment and fifth combat cruise. A warm welcome by the community, families and friends greeted the ship as it moored alongside Pier Mike-November at Naval Air Station, North Island.

(U) For her "exceptionally meritorious service from 7 December 1970 to 24 June 1971 while engaged in combat operations", KITTY HAWK and Attack Carrier Air Wing ELEVEN were awarded a Navy Unit Commendation by the

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Secretary of the Navy, the Honorable John H. Chaffee. An honor just as important is that KITTY HAWK suffered no operational or combat losses during her deployment.

(U) KITTY HAWK went "cold iron" on 17 July for a thirty day stand-down period for leave and liberty.

(U) On 16 August KITTY HAWK's Selected Restricted Availability commenced. This "RAV" was an innovation in that the "shipyard came to the ship" rather than the ship going to the yards. The Ship's Force Overhaul Maintenance System (SFOMS) was initiated and all work was done aboard while the ship was tied alongside the pier. In addition to installation of new equipments and overhaul of existing systems, emphasis was again given to habitability improvements and wherever possible, ecological improvements.

(U) For outstanding achievement in all aspects of Naval Aviation Safety including safety performance and accident prevention, KITTY HAWK was selected from among the Navy's super aircraft carriers to receive the annual Admiral Flatley Award. The award was presented to the ship by Commander, Carrier Division THREE, Rear Admiral James Ferris, on 18 August.

(U) KITTY HAWK came out of "cold iron" when the boilers were "lit off" on 3 October. The ship ended RAV when SFOMS work was completed on schedule 19 October.

(U) On 20-22 October USS KITTY HAWK went on a shakedown cruise in the Southern California Operating Area.

(U) On 26 October KITTY HAWK commenced Refresher Training (REFTRA). Extensive drilling, training and practice again honed the crew to prevent or control distress at sea in peacetime or in war conditions. REFTRA ended on 11 November and KITTY HAWK was assigned a grade of 87.93 (G).

(U) Two thousand dependents took advantage of the one day Dependents' Day Cruise on 12 November. Ship capabilities and Air Wing Eleven prowess were displayed for the Navy families.

(U) Dedication and ribbon cutting ceremony for the newly installed Versatile Avionics Shop Test (VAST) system took place on 15 November. In addition to the Commanding Officer, Captain Oberg, Commander Naval Air Forces, Pacific, Vice Admiral Walker and VAST Project Manager, Captain Chessman, were present. KITTY HAWK is the first CVA to receive the VAST system which gives an advanced computerized aircraft maintenance capability to the ship.

(U) Two carrier qualification periods were completed in minimum time and without incident for the West Coast retraining air wings before the end of the year. One period was from 16-23 November and the other from 30 November to 7 December.

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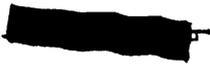
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(U) On 10 December, KITTY HAWK went "cold iron" for the holiday period.

(U) Aircraft Intermediate Maintenance Department was again nominated for the AIMD "E" award by COMNAVAIRPAC. KITTY HAWK's AIMD Department won the coveted "E" in 1969 and 1970.

(U) 1971 ended with KITTY HAWK in home port, San Diego, moored to Pier Mike-November at NAS North Island. The spirit of Christmas was evident in the ship's decorations of Christmas trees, colored lights and the opportunity for holiday leave for all.

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CHRONOLOGY OF EVENTS

January 1971

01 - 10 Jan	Upkeep Subic
11 Jan	TYT - Subic Area AAMEX
12 Jan	Enter Yankee Station
13-- 31 Jan	SpecOps Yankee Station

February 1971

01 - 03 Feb	SpecOps - Yankee Station - Exercise YS
	Beacon Tower
04 Feb	Enroute Subic
05 - 09 Feb	Upkeep Subic
10 Feb	Enroute Hong Kong
12 - 18 Feb	Visit Hong Kong
19 - 20 Feb	Enroute Yankee Station
21 - 28 Feb	SpecOps Yankee Station

March 1971

01 - 31 Mar	SpecOps Yankee Station
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April 1971

01 Apr	SpecOps - Depart Yankee Station
02 Apr	Enroute Subic
03 - 07 Apr	Upkeep Subic
08 Apr	Type training - Subic Area
09 Apr	Enroute
10 - 25 Apr	SpecOps - Yankee Station
26 Apr	Enroute Subic
27 - 30 Apr	Upkeep Subic

May 1971

01 May	Upkeep Subic
02 May	Type training - Subic
03 May	Enroute
04 - 16 May	SpecOps Yankee Station
17 - 19 May	Enroute
21 - 25 May	Upkeep Sasebo
26 - 29 May	Enroute Yankee Station
30 - 31 May	SpecOps Yankee Station

June 1971

01 - 23 June	SpecOps Yankee Station
24 - 25 June	Enroute Subic
26 - 30 June	Upkeep Subic

July 1971

01 - 10 July	Enroute Hawaii
11 - 12 July	Inport Hawaii
13 - 16 July	Enroute San Diego (Homeport)
17 July	Arrive CONUS
17 - 31 July	Post deployment standown





August 1971

01 - 15 AUG  
16 - 31 AUG

Post deployment standown  
RAV, North Island

September 1971

1 - 31 SEP

RAV, North Island

October 1971

01 - 19 OCT  
20 - 22 OCT  
23 - 25 OCT  
26 OCT  
27 - 29 OCT  
30 - 31 OCT

RAV, North Island  
Shakedown cruise, SOCAL  
Inport, San Diego  
Commence REFTRA  
At sea, SOCAL, REFTRA  
Inport, REFTRA

November 1971

01 - 05 NOV  
06 - 07 NOV  
08 - 11 NOV  
12 NOV  
13 - 15 NOV  
16 - 23 NOV  
24 - 29 NOV  
30 NOV

At sea, SOCAL, REFTRA  
Inport, San Diego, REFTRA  
At sea, SOCAL, REFTRA  
Dependents' Day Cruise  
Inport, San Diego  
At sea, CARQUALS  
Inport, San Diego  
At sea, CARQUALS

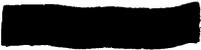
December 1971

01 - 07 DEC  
08 - 31 DEC

At sea, CARQUALS  
Holiday standown



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COMBAT OPERATIONS 1970-1971 DEPLOYMENT

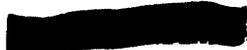
YANKEE STATION

1st Line Period	08 Dec to 29 Dec	21 Days
2nd Line Period	13 Jan to 03 Feb	22 Days
3rd Line Period	21 Feb to 31 Mar	39 Days
4th Line Period	10 Apr to 25 Apr	16 Days
5th Line Period	04 May to 16 May	13 Days
6th Line Period	30 May to 23 Jun	25 Days
Total Combat Operating Days		128 Days
Total Days on Yankee Station		136 Days

Special Operations:

- Lam Son 719 (Laos) 21 Feb to 31 Mar
- Fracture Cross Alpha (Retaliation, NVN) 21 Mar
- Quan Lang Airfield (Protective Reaction) 22 Apr

Total Days Deployed: 257 Days



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UNDERWAY REPLENISHMENT SCHEDULE - Calendar Year 1971 (U)

13 JAN USS KAWISHIWI (AO 146)  
14 JAN USS PYRO (AE 24)  
16 JAN USS CAMDEN (AOE 2)  
17 JAN USS MARS (AFS 1)  
19 JAN USS CAMDEN (AOE 2)  
22 JAN USS CAMDEN (AOE 2)  
24 JAN USS CAMDEN (AOE 2)  
27 JAN USS CAMDEN (AOE 2)  
29 JAN USS VEGA (AF 59)  
30 JAN USS CAMDEN (AOE 2)  
2 FEB USS CAMDEN (AOE 2)  
21 FEB USS CAMDEN (AOE 2)  
23 FEB USS CAMDEN (AOE 2)  
25 FEB USS VEGA (AF 59)  
26 FEB USS CAMDEN (AOE 2)  
28 FEB USS CAMDEN (AOE 2)  
3 MAR USS HALEAKALA (AE 25)  
4 MAR USS MISPILLION (AO 105)  
4 MAR USS CRAIG (DD 885)  
4 MAR USS CRAIG (DD 885) Emergency breakaway  
6 MAR USS VESUVIUS (AE 15)  
7 MAR USS MISPILLION (AO 105)  
9 MAR USS VESUVIUS (AE 15)  
10 MAR USS MISPILLION (AO 105)  
12 MAR USS MARS (AFS 1)  
13 MAR USS HALEAKALA (AE 25)  
14 MAR USS HASSAYAMPA (AO 145)  
16 MAR USS HALEAKALA (AE 25)  
17 MAR USS MISPILLION (AO 105)  
18 MAR USS PYRO (AE 24)  
18 MAR USS PYRO (AE 24) Emergency breakaway  
20 MAR USS MISPILLION (AO 105)  
21 MAR USS PYRO (AE 24)  
23 MAR USS HASSAYAMPA (AO 145)  
24 MAR USS MT KATMAI (AE 16)  
25 MAR USS MARS (AFS 1)  
26 MAR USS SACRAMENTO (AOE 1)  
29 MAR USS SACRAMENTO (AOE 1)  
31 MAR USS SACRAMENTO (AOE 1)  
10 APR USS SACRAMENTO (AOE 1)  
11 APR USS REGULUS (AF 57)  
13 APR USS SACRAMENTO (AOE 1)  
16 APR USS SACRAMENTO (AOE 1)  
19 APR USS SACRAMENTO (AOE 1)  
21 APR USS MARS (AFS 1)  
22 APR USS VESUVIUS (AE 15)  
23 APR USS PASSUMPSIC (AO-107)

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25 APR	USS PYRO (AE 24)
4 MAY	USS SACRAMENTO (AOE 1)
5 MAY	USS REGULUS (AF 57)
7 MAY	USS SACRAMENTO (AOE 1)
9 MAY	USS SACRAMENTO (AOE 1)
13 MAY	USS SACRAMENTO (AOE 1)
16 MAY	USS SACRAMENTO (AOE 1)
28 MAY	USS BRADLEY (DE 1041)
28 MAY	USS HANSON (DD 832)
30 MAY	USS HASSAYAMPA (AO 145)
31 MAY	USS CHARA (AE 31)
2 JUN	USS PASSUMPSIC (AO 107)
3 JUN	USS CHARA (AE 31)
5 JUN	USS HASSAYAMPA (AO 145)
7 JUN	USS VESUVIUS (AE 15)
7 JUN	USS REGULUS (AF 57)
8 JUN	USS PASSUMPSIC (AO 107)
9 JUN	USS VESUVIUS (AE 15)
11 JUN	USS HASSAYAMPA (AO 145)
12 JUN	USS CHARA (AE 13)
14 JUN	USS HASSAYAMPA (AO 145)
15 JUN	USS KATMAI (AE 16)
17 JUN	USS PASSUMPSIC (AE 107)
18 JUN	USS KATMAI (AE 16)
21 JUN	USS SACRAMENTO (AOE 1)
22 JUN	USS NIAGRA FALLS (AFS 3)
23 JUN	USS SACRAMENTO (AOE 1)
25 JUN	USS HANSON (DD 832)
25 JUN	USS TURNER JOY (DD 951)
4 JUL	USS TOWERS (DDG 9)
8 JUL	USS TOWERS (DDG 9)
27 OCT	USS MISPILLION (AO 105)
28 OCT	USS MISPILLION (AO 105)
28 OCT	USS MISPILLION (AO 105)
3 NOV	USS MISPILLION (AO 105)
9 NOV	USS CACAPON (AO 52)
19 NOV	USS GRAY (DE 1054)
22 NOV	USS CACAPON (AO 52)
2 DEC	USS VESUVIUS (AE 15)
3 DEC	USS TALAVANA (AO 64)

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PERTINENT STATISTICS, 1971

Total Days Deployed, WESTPAC..... 198 Days  
Total Days on Yankee Station..... 115 Days  
Total Combat Operating Days..... 107 Days  
Total Hours Flown on 1970-1971 Deployment.....27,800 Days

Aircraft Catapult Shots

Cat 1.....5,064  
Cat 2.....3,535  
Cat 3.....3,439  
Cat 4.....1,872

Total Aircraft Catapult Shots.....13,910

Aircraft Arrested Landings

Arr 1.....1,635  
Arr 2.....3,475  
Arr 3.....5,593  
Arr 4.....3,267  
Arr 5..... 1

Total Aircraft Arrested Landings.....13,941

Over 28,900,000 gallons of fuel were used and 80,000,000 gallons of water distilled in 1971.

1971 Deployment was completed with the lowest non-operationally ready supply (NORS) rate of any CVA in recent history.

RESALE Operations in ship's stores exceeded two million dollars in sales volume.

For the 1970-1971 Deployment a total of 276,613 messages were handled by the Communications Department for the ship and embarked staff.

Total Ordnance Expended	22,540.051 Tons
Average Tonnage per Operating Day	176.09 Tons
Total Ammo Unreps	59
Average Tonnage per Unrep	460 Tons
Average Transfer Time per Unrep	3.75 Hours
Average Unrep Time	8.00 Hours

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AWARDS EARNED BY SHIP'S COMPANY PERSONNEL (U)

Bronze.....	7
Navy Commendation Medal.....	20
Navy Achievement Medal.....	152
COMSEVENTHFLT Letter of Commendation.....	148

  
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IMPORTANT KITTY HAWK VISITORS, 1971

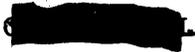
<u>NAME</u>	<u>ACTIVITY</u>	<u>DATES (1971)</u>
Honorable G. M. GODLEY	AMERICAN AMBASSADOR TO LAOS	14-15 JAN
RADM K. R. WHEELER	NAVSUPSYSCOM	17-18 JAN
RADM R. E. RIERA	COMFAIRWESTPAC	18-19 JAN
VADM W. F. BRINGLE	COMNAVAIRPAC	22-23 JAN
RADM D. V. COX	COMCURDESFLT	23-24 JAN
RADM L. R. GEIS	CHINFO	30-31 JAN
RADM F. J. HARTINGER II	ACNO INTELLIGENCE	31 JAN
RADM G. R. MUSE	COMUSNAVPHIL	1- 2 FEB
ADM B. A. CLAREY	CINCPACFLT	4 FEB
VADM M. F. WEISNER	COMSEVENTHFLT	4 FEB
LTGEN SERN	ROYAL THAI FORCES	20-21 FEB
VADM R. E. PEEK	CHIEF NAVAL FORCES AUSTRALIA	23-24 FEB
RADM W. D. GADDIS	CTF 76	27 FEB
MGEN E. R. HARDIN, JR.	VICE CDR, SEVENTH AIR FORCE	5 MAR
MGEN A. J. ARMSTRONG	CG, FIRST MAW	5 MAR
RADM R. E. FOWLER, JR.	COMPATFORSEVENTHFLT	5 MAR
RADM W. H. SHAWCROSS	COMNAVBASESUBIC	5 MAR
RADM A. G. ESCH	COMCRUDESGRUSEVENTHFLT	7-8 MAR
RADM PORN	DEP CDR, ROYAL THAI FORCES	27-28 MAR
REP J. BRINKELY	HOUSE ARMED SERVICES COMMITTEE	10 APR
REP H. RUNNELS	HOUSE ARMED SERVICES COMMITTEE	10 APR
REP B. WILSON	HOUSE ARMED SERVICES COMMITTEE	10 APR
REP C. W. YOUNG	HOUSE ARMED SERVICES COMMITTEE	10 APR
REP W. L. DICKINSON	HOUSE ARMED SERVICES COMMITTEE	10 APR
REP F. E. SPENCE	HOUSE ARMED SERVICES COMMITTEE	10 APR
RADM L. B. MC CUDDIN	COMCARDIV THREE	10 APR
REP LOUISE DAY HICKS	DEMO-MASS.	16 APR
RADM D. C. PLATE	COMCRUDES PAC	18-21 APR
LTGEN J. D. LAVELLE, USAF	VICE CINCPACAF	18 APR
RADM G. L. WHITTMANN	USN	22-23 APR
LTGEN J. JARVENTUS, FDF RET	HELSINKI SANOMAT	24-25 APR
RADM S. H. SMITH, SC	COMMANDING OFFICER ASO PHILA.	30 APR
RADM J. L. BUTTS	COMCARDIV ONE	7 -9 MAY
MGEN J. G. WILSON	DEP COS SEVENTH AIR FORCE	12-13 MAY
VADM LIU, TING PAG	COS CAMBODIAN NAVY	18 MAY
MGEN YANG, YU-SAN	ASS'T TO DCGS FOR OPS, CAMBODIA	18 MAY
LTGEN LIN, CHU-NIEN	ASS'T TO DCGS FOR OPS, CAMBODIA	18 MAY
RADM R. M. ISAMAN	CINCPACFLT STAFF	22-23 MAY
ADM E. R. ZUMWALT	CHIEF OF NAVAL OPERATIONS	30 MAY
RADM F. W. VANNOY	ADCNO	30-31 MAY
RADM J. D. RAMAGE	COMCARDIV SEVEN	1- 2 JUN
GEN C. W. ABRAMS	COMUSMACV	2 JUN
PRINCE MANGHRA SOUVANNA PHOUMA	LAOS	3 -4 JUN
RADM R. J. LONG		4- 5 JUN
RADM R. C. GOODING		4- 5 JUN
RADM W. J. THOMPSON		20-21 JUN
VADM T. J. WALKER, III	COMNAVAIRPAC	17 JUL
RADM J. FERRIS	COMCARDIV THREE	18 AUG

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<u>NAME</u>	<u>ACTIVITY</u>	<u>DATES</u>
DR. R. B. TIBBY	SECNAV GUEST	30 NOV
DR. W. R. PIERSON	SECNAV GUEST	30 NOV
DR. F. CARROLL	SECNAV GUEST	30 NOV
DR. M. D. JOHNSON	SECNAV GUEST	30 NOV
DR. H. W. MILES	SECNAV GUEST	30 NOV
DR. R. P. HUNGATE	SECNAV GUEST	30 NOV
CAPT J. L. MORRISSEY (RET)	SECNAV GUEST	30 NOV

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SELECTED LIST OF MODIFICATIONS/EQUIPMENT ADDED TO KITTY HAWK IN 1971

Communications.

Tactical Satellite Communications UHF Data Link capability was added to the ship. TACSAT supplements many of the circuits normally operated in the HF spectrum. Seventeen AN/SRC 20's, seven AN/SRC-21's and two AN/URC-9's were installed during the RAV period.

Operations.

a. CATCC - SPN-41 Instrument Landing System (ILS), installed during RAV, assists the CCA personnel in performing their demanding Air Traffic Control tasks. The SPN-41 ILS when utilized with the SPN-42 Automatic Carrier Landing System, allows the pilot to receive extremely accurate azimuth and glide scope information at distances exceeding fifty miles.

b. CIC - The new AIMS MK XII, Identification, Friend or Foe system, provides the three conventional modes of IFF plus Mode 4 (encrypted) and Mode C altitude information. The AN/SLR-13 ECM system and the AN/WRR-1 AEW Beacon system were removed during RAV.

Aircraft Intermediate Maintenance.

Versatile Avionics Shop Test (VAST) system provides a computerized maintenance capability for advanced airborne system modules and whole assemblies. KITTY HAWK is the first CVA to install this system.

Habitability.

A new polyurethane deck was installed on the ship's aft mess decks by ship's company personnel. This new type of deck covering is a marked improvement in durability and cleanliness in comparison to standard deck covering materials.

New ship's stores (smoke shop, toiletries store and sound shop) were fabricated and the luxury store remodeled in a drive for better service and shorter waiting lines. The newest innovation in soft ice cream production equipment was installed on the general mess serving line. Soft drink dispensers were also placed on both mess decks.

Scullery garbage compactors were added in General Mess spaces and have been highly successful.

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