

1984



DEPARTMENT OF THE NAVY

USS CARL VINSON (CVN-70)
FLEET POST OFFICE
SAN FRANCISCO, CA. 96629-2840

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From: Commanding Officer, USS CARL VINSON (CVN-70)
To: Chief of Naval Operations (OP-05D2)

Subj: 1984 COMMAND HISTORY

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Encl: (1) Historical Narrative
(2) Significant Departmental Achievements
(3) Major Operational Evolutions
(4) Distinguished Visitors and Media Visits at Sea
(5) Distinguished Visitors and Media Visits to USS
CARL VINSON In Port and Special Events
(6) Ammunition Expenditure for USS CARL VINSON

1. As required by reference (a), enclosures (1) through (6) are forwarded.


G. D. O'BRIEN, JR.

Copy to:
Director of Naval History





1984 HISTORICAL NARRATIVE

USS CARL VINSON started the year pierside at Naval Air Station, Alameda, California and ended at Leyte Pier, Naval Air Station, Cubi Point, Republic of the Philippines.

1984 proved to be a big year for the Navy's newest aircraft carrier. USS CARL VINSON was awarded the Admiral Flatley Memorial Award for overall contributions to aviation safety and operational readiness. The annual award is selected by the Chief of Naval Operations and recognizes the aircraft carrier with the best safety record in the Navy.

Carrier Air Wing FIFTEEN, embarked on board USS CARL VINSON, consisted of nine squadrons. They were Fighter Squadrons (VF) 51 and 111, Attack Squadrons (VA) 52, 27 and 97, Air Anti-Submarine Squadron (VS) 29, Air Anti-Submarine Helicopter Squadron (HS) 4, Tactical Electronic Warfare Squadron (VAQ) 134, and Carrier Airborne Early Warning Squadron (VAW) 114. Also embarked during WESTPAC 84-85 was one C-2 aircraft from Fleet Logistics Support Squadron (VRC) 50 and one EA-3 aircraft from Fleet Air Reconnaissance Squadron (VQ) 1.

The 363 days between Alameda and the Philippines were full of activity for the ship. It went from the middle of an extensive \$18 million work package during its three-month Ship's Restricted Availability period to carrier qualifications in February. This was followed by a Command Inspection by our type commander, work-ups, participation in RIMPAC-84, extensive training and testing, and a Ship Manning Document Review prior to departure on 13 October for its first deployment to the Western Pacific. Commencement of deployment saw USS CARL VINSON's participation in FLEETEX-85, and port visits to Pearl Harbor, Hawaii; Yokosuka, Japan; and Hong Kong prior to arriving at Cubi Point on Christmas Eve.

On 14 February, USS CARL VINSON completed its Ship's Restricted Availability period. From 14 through 19 February, independent steaming operations commenced in the Southern California Operating Area. USS CARL VINSON was the first CV to certify the F-14 MODE I approach. Refresher Training in the Southern California Operating Area began on 19 March and finished on 6 April. A Weapons Training/Composite Training Unit Exercise took place in the Southern California Operating Area from 14 to 23 May. This was the initial at-sea period for the Battle Group Charlie units with major CV/CVW team emphasis on the operational employment of all ship/airwing weapons systems.

USS CARL VINSON participated in RIMPAC 84 from 31 May to 18 June. This two Carrier Battle Group multi-nation exercise was conducted in the Southern California and Mid-Pacific Operating Areas. All major warfare areas in blue water/no divert operations were exercised. During this time the ship completed a Nuclear Technical Proficiency Inspection (NTPI) and received a grade of satisfactory; the USS CARL VINSON was the only ship to pass on the first look in the last five years.

Encl(1)

READIEX 84-4/Operational Readiness Examination (ORE) commenced on 31 July and was completed on 22 August. USS CARL VINSON received the highest grade of any aircraft carrier in this evaluation period.

The USS CARL VINSON Dependent's Day cruise was held on 23 August and from 28 August to 2 September the ship held CVW-15 Refresher Operations and the Pre-Operational Reactor Safeguards Examination (PRE-ORSE). The Operational Safeguards Examination was completed on 18 September. On 13 October, the ship departed NAS Alameda for an extended Western Pacific deployment and was in port Pearl Harbor, Hawaii on 2 November. From 1 through 4 December, dual-carrier operations were conducted in the Sea of Japan with Battle Group Alpha and USS CARL VINSON arrived in Yokosuka, Japan on 10 December. This was followed by operations in the South China Sea with a port call to Hong Kong on 17 December. USS CARL VINSON was underway again on 22 December and arrived at Naval Air Station, Cubi Point, Republic of the Philippines on 24 December.

USS CARL VINSON officially became "San Francisco's Own" on 2 March during ceremonies conducted in the office of San Francisco's Mayor Diane Feinstein. She authorized the formation of a 33-member USS CARL VINSON Committee in her continuing efforts to bring the City of San Francisco closer to the Navy and USS CARL VINSON.

USS CARL VINSON continued to uphold its tradition of strong support for community relations. Examples of this in 1984 included the hosting of over 1,000 Boy Scouts for a weekend in April for its annual "Order of the Arrow" Conclave; sponsoring a USS CARL VINSON-San Francisco Bay Area Special Olympics day in July, and special Christmas programs at two orphanages in Subic Bay, Republic of the Philippines. Civilian and military distinguished visitors, as well as major media representatives, continued to visit USS CARL VINSON on a regular basis to see the ship and Carrier Air Wing FIFTEEN in action.

Captain Thomas A. Mercer, USN, was the Commanding Officer, USS CARL VINSON for all of 1984. Commander Doyle J. Borchers, II, USN, was the Executive Officer.

SIGNIFICANT DEPARTMENTAL ACHIEVEMENTS

USS CARL VINSON's Operations Department was awarded the Battle "E" and the Weapons Department the Black "W" representing the best Operations and Weapons Departments of aircraft carriers on the West Coast. The ship conducted nine Alpha strikes in 1984. Embarked aircraft strength in December 1984 consisted of 85 total aircraft (83 aircraft assigned to CVW-15; 1 C-2 aircraft from VRC-50 and 1 EA3 aircraft from VQ-1).

USS CARL VINSON's Air Department was one of many excellent departments on board with notable accomplishments. These included 14,461 arrested landings in 1984, bringing the ship's total arrested landings to 33,319 at the end of the year. V-3 Division made 4,357 aircraft moves, and ended the year with an overall crunch rate of 11 per 10,000 (.0011); a 34% improvement over 1983 with no reportable mishaps and no personnel injuries. V-4 Division received over 19.2 million gallons of JP-5 from tankers and pumped over 16.2 million gallons of JP-5 to embarked aircraft. 278,000 gallons of JP-5 were pumped to other ships. CARL VINSON received the highest recorded Operational Readiness Evaluation of any aircraft carrier, V-4 Division, in the Pacific Fleet with a score of 96.45%.

USS CARL VINSON's Engineering Department performed in an outstanding manner in 1984 enabling the ship to steam 53,000 nautical miles. It completed its portion of the Ship's Restricted Availability period in February. In 1984, the Engineering Department completed a hydroblast of all shipboard CHT piping. Completing Refresher Training in April, the Department performed excellently in all areas. The Engineering Department successfully passed its Nuclear Technical Proficiency Inspection from 20 through 29 June. USS CARL VINSON was the only Pacific Fleet aircraft carrier to pass an NTPI on its first attempt. The ship completed the Operational Readiness Evaluation on 16 August receiving the only Damage Control Central grade of "excellent" ever awarded to a Pacific Fleet aircraft carrier. The Engineering Department established a Habitability Division to perform head and berthing habitability repairs and vent cleaning. This resulted in a dramatic improvement in head reliability and sanitation.

USS CARL VINSON's Supply Department won the COMNAVAIRPAC Food Service Excellence Award for 1984. S-5 Division was a runner up for the Dorrie P. Miller Wardroom Excellence Award for 1984. The Supply Department carried an inventory of 105,000 parts on hand which enabled it to exceed the 90% goal of inventory validity issue effectiveness established by COMNAVAIRPAC. It was through such work and operations that enabled USS CARL VINSON to become known as the aircraft carrier with the best supply support in the fleet.

USS CARL VINSON's Aircraft Intermediate Maintenance Department is another arm of the ship that set itself above the other aircraft carriers on the West Coast. An example of this was the Aviation Management Inspection completed in September with an overall grade of 94%. This was the highest grade ever awarded a Naval Air Force, U.S. Pacific Fleet aircraft carrier. Support equipment availability exceeded normal operational levels and directly contributed to the high sortie success rate enjoyed by CVW-15. In 1984, CARL VINSON's AIMD documented a total of 274,717.2 manhours. It inducted 20,194 items and processed 18,918 items. Its annual efficiency was 78.5%.

1984 MAJOR OPERATIONAL EVOLUTIONS

UNDERWAY AND VERTICAL REPLENISHMENTS

15 FEB Underway Replenishment with USS ROANOKE

17 FEB Replenishment at Sea with USNS KAWISHIWI
(939,604 gallons JP-5)

9 MAR Underway Replenishment with USS FLINT
(540 pallets ammunition)

21 MAR Underway Replenishment with USS ROANOKE
(1,000,000 gallons JP-5 and 400 pallets)

26 MAR Replenishment at Sea with USNS KAWISHIWI
(250,000 gallons JP-5)

2 APR Underway Replenishment with USS ROANOKE
(420 pallets)

4 APR Dry Replenishment at Sea with HMCS PROVIDER

27 APR Ammunition Onload with USNS HALEAKALA
(246 pallets)

30 APR Underway Replenishment with USNS KAWISHIWI
(909,000 gallons JP-5)

9 MAY Underway Replenishment with USS ROANOKE
(50 pallets)

21 MAY Underway Replenishment with USS ROANOKE
(1,250,000 gallons JP-5 and 155 pallets)

22 MAY Ammunition Onload with USS MT HOOD (250 pallets)

02 JUN Replenishment at Sea with USS ROANOKE
(976,000 gallons JP-5)

7 JUN Replenishment at Sea with USS BUCHANAN (CARL
VINSON delivered 94,064 gallons JP-5)

13 JUN Replenishment at Sea with USS ROANOKE
(592,785 gallons JP-5)

21 JUN Replenishment at Sea with USS ROANOKE
(1,598,000 gallons JP-5)

31 JUL Ammunition Onload with USS KISKA (240
pallets)

02 AUG Replenishment at Sea with USS ROANOKE
(1,002,000 gallons JP-5)

09 AUG Replenishment at Sea with USS ROANOKE
(1,000,000 gallons JP-5)

15 AUG Replenishment at Sea with USS MT. HOOD (10 pallets COMPEX)

16 AUG Replenishment at Sea with USS MT. HOOD (227 Pallets)

17 AUG Replenishment at Sea with USS ROANOKE (1,200,000 gallons JP-5)

22 OCT Ammunition Onload with USS KISKA (183 pallets)

22 OCT Replenishment at Sea with USS ROANOKE (1,000,000 gallons JP-5)

06 NOV Replenishment at Sea with USS WILLAMETTE (1,200,000 gallons JP-5)

14 NOV Replenishment at Sea with USS KANSAS CITY (JP-5, 56 pallets)

20 NOV Replenishment at Sea with USS KANSAS CITY (700,000 gallons JP-5, 66 pallets)

23 NOV Replenishment at Sea during which USS CARL VINSON delivered 84,619 gallons JP-5 to USS BUCHANAN

24 NOV Replenishment at Sea with USNS PONCHATOULA (607,000 gallons JP-5)

26 NOV Replenishment at Sea with USS SACRAMENTO (Stores only)

27 NOV Replenishment at Sea during which USS CARL VINSON delivered 35,519 gallons JP-5 to USS BUCHANAN and 10,993 gallons JP-5 to USS PAUL FOSTER

30 NOV Replenishment at Sea with USNS HASSAYAMPA (776,540 gallons JP-5)

12 DEC Replenishment at Sea with USS ROANOKE (1,000,000 gallons JP-5)

16 DEC Replenishment at Sea during which USS CARL VINSON delivered 53,110 gallons JP-5 to USS HEWITT

1984 DISTINGUISHED VISITORS AND MEDIA VISITS AT SEA

9-10 Mar 3-Man Television crew from KPIX-TV 5 "Evening Magazine," San Francisco, California, shooting feature story on life at sea on board "San Francisco's Own."

12-13 Mar Six COMNAVAIRPAC Distinguished Visitors

12-14 Mar Mr. P. Frank Freeman, Artist, San Diego, California.

13-14 Mar Five COMNAVAIRPAC Distinguished Visitors

14-15 Mar Seven COMNAVAIRPAC Distinguished Visitors

22-24 Mar Three-man television crew from KATU-TV, Portland, Oregon, to produce features for "Faces & Places," a daily information television show.

27-30 Mar Mr. Charles Nackey, freelance photographer from Seattle, Washington.

28-29 Mar Mr. Dave Kerley and Tom Voelk, KIRO, TV, Seattle, Washington.

29 Mar Commander John Lehman, USNR, Secretary of the Navy VADM Easterling, Commander Naval Air Force, U. S. Pacific Fleet

27-28 Apr Mr. Don Linn, Writer, photographer, Aviation News

27-28 Apr Mr. Anthony Hamilton, Chairman of the Board of Hamilton/AVNET Electronics

29-30 Apr Four COMNAVAIRPAC Distinguished Visitors

29 Apr-3 May Five man film team from Fleet Audio Visual Command, San Diego on board to film F/18 operations.

30 Apr-1 May Twelve Distinguished Visitors from Lawrence Livermore National Laboratory & Sandia National Laboratory

1-2 May Eight COMNAVAIRPAC Distinguished Visitors

2-3 May RADM A. Donald Fraser, USN (Ret), key figure in development of Navy Photo Reconnaissance and Squadron Commander during World War II.

7-8 May BGEN J. Hocker, USAF, Commanding General, 14TH Air Division, Beale AFB, California. Two COMNAVAIRPAC Distinguished Visitors

7-9 May Mr. George Hall, photographer, Presidio Press

8-9 May Three COMNAVAIRPAC Distinguished Visitors

10-11 May Mr. Glyn Price, Member SECNAV Advisory Board on Education and Training Mr. Robert Guilford, attorney, assisting Mr. Price on study of effectiveness of the NROTC Program nationwide

15-16 May Mr. Jonathan Freedman, Editorial writer, San Diego Tribune

15-16 May Mr. Gordon Forbes, Producer, KABC-TV, "Eye On L.A."

15-16 May Mr. Robert Morrison, Mr. Dave Begy, photographers from Aeronews Photo Magazine

16-17 May Four COMNAVAIRPAC Distinguished Visitors

17-18 May Four COMNAVAIRPAC Distinguished Visitors

17 May Ms. Susan Hahn, Reporter KNBC-TV Los Angeles, plus two-man crew

18-19 May Three COMNAVAIRPAC Distinguished Visitors

20-21 May Dr. John Connolly, Professor of Surgery, University of California, Irvine

13-17 Jun Mr. Derosset, San Diego; Navy Combat Artist working on assignment for CHINFO to depict RIMPAC-84

17-19 Aug Mr. Gordon Forbes plus three, filming for KABC-TV, Los Angeles production on fighter pilots and carrier aviation

19-21 Aug Ms. Andria Shaine, reporter and Mr. Jim Douglas of WTCN-TV, Minneapolis: Evening News segment on the USS CARL VINSON and carrier aviation

22-23 Aug Five-man television film crew from Australia shooting production on Harbor Pilots

23 Aug 50 various special guests of the commanding officer, eight members of four San Francisco Area media organizations and approximately 6,000 dependents and friends of the crew of USS CARL VINSON for an eight-hour dependents day cruise.

30 Aug-1 Sep Ms. Vida Federighi, reporter and Mr. Rich Pedroncelli, photographer; Sacramento Union. Feature story for publication in "Sunday Magazine."

13-15 Oct Three COMNAVAIRPAC Distinguished Visitors

13-16 Oct Two COMNAVAIRPAC Distinguished Visitors

13-17 Oct Four COMNAVAIRPAC Distinguished Visitors

16-17 Oct Mr. Gordon Forbes, plus two-man crew KABC-TV, Los Angeles; shooting additional footage for feature

1984 DISTINGUISHED VISITORS AND MEDIA VISITS TO USS CARL VINSON

IN PORT AND SPECIAL EVENTS

5 Mar Mr. Joe Montana, San Francisco 49er Quarterback, on board for filming of Navy/NFL Most Valuable player award for 1984. Also filmed several Navy recruiting/career counseling spots.

12 Apr Oakland Navy League Tour (125)

13-15 Apr Order of the Arrow, Boy Scouts of America, annual conclave (1,000) scouts staged conference on board USS CARL VINSON over the weekend.

14 Apr Retired Officers Association of King's County tour (31)

16 Apr San Francisco Navy League tour/Luncheon (250)

16 Apr German photographer and reporter, Mr. Terzibaschitsch

21 Apr French reporter, Jean Louis English, working on story on nuclear powered aircraft carriers.

12 May Association of Naval Aviation tour in San Diego (75)
Mr. Lee Horsley, actor and star of television series "Matt Houston" visited USS CARL VINSON

13 May Major General Rahman, Deputy Chief of Operations, Egyptian Air Force, (EAF), and 25 other senior EAF Officers of 06-07 rank for a Distinguished Visitor tour.

25 May American Red Cross Tour (50)

26 May Belgim Defense College (60)

20 Jun Australian General Consul, Mr. Fisher and assistant for tour

11 Jul San Francisco Press Club breakfast and tour (30)

21 Jul St. Helens Rotary Tour (100)

22 Jul USS CARL VINSON and San Francisco Bay Area Special Olympics jointly sponsor picnic for crewmembers and special olympic athletes

23 Jul ADM Foley, Commander in Chief, U. S. Pacific Fleet

24 Jul Commander, Naval Air Forces, U. S. Pacific Fleet Master Chief Visit

26 Jul Retired Officers Association tour (200)

25 Aug USO Tour, (75)

11 Sep Tri Service Dental Officers Association dinner and tour

21 Sep San Francisco Bay Area Combined Federal Campaign kick-off luncheon and ceremony (500)

25 Sep Ship's officers and men toured NAPA Valley wine country,

1 Oct RADM Peck visit

3 Nov Honolulu Navy League tour (150) Pearl Harbor Area Navy Dental Officers' tour

5 Nov VIP Luncheon with the following officers in attendance: ADM Foley, Commander in Chief, U. S. Pacific Fleet; RADM Scott, Commander Submarine Force, U. S. Pacific Fleet; RADM Wyatt, CINCPACFLT Staff; RADM Storms, Commander, Naval Logistics Command, U. S. Pacific Fleet; COMO Boyle, Commander, Naval Surface Group, Mid-Pacific, plus 14 ship commanding officers

10 Dec Hosted 170 media members for a press conference upon arrival in Yokosuka, Japan. RADM W. T. Piotti, Commander, Cruiser Destroyer Group FIVE; and CAPT T. A. Mercer, Commanding Officer, USS CARL VINSON answered questions. A tour was provided after the press conference.

12 Japanese distinguished visitors were hosted for lunch and tour of the ship, along with RADM McKay, Commander, U. S. Naval Forces, Japan.

Hosted eight members of the Japanese Diet for a brief tour, along with two members of the U. S. Embassy in Japan.

Hosted 150 Japanese distinguished visitors for a general tour of the ship.

11 Dec Hosted 300 U. S. military members and their dependents for general tour.

VADM Hogg, Commander, SEVENTH Fleet and family received a tour.

27 Dec Olongapo Red Cross members were on board for a blood drive.

29 Dec Olongapo Women Lions Club tour (30)

16-17 Oct Mr. Rich Pedroncelli, photographer, Sacramento Union, additional photography required to support at earlier embark.

16-17 Oct Mr. Dennis Morgino, reporter and Mr. Kent Staub, cameraman; KCST-TV 39 San Diego: News feature.

17 Oct COMO Rich, Commander, Anti-Submarine Warfare Wing, U. S. Pacific Fleet

22 Oct CAPT P. N. Domdrille, Canadian Commander, Destroyer Squadron TWO

28 Oct COMO Edney, Commander, Destroyer Squadron TWO

29 Oct RADM Howe, Commander, Cruiser Destroyer Group THREE

31 Oct Commander, THIRD Fleet

25 Nov VADM Hogg, Commander, SEVENTH Fleet

26 Nov RADM McCarthy, Commander, Carrier Task Force 70

2-3 Dec ADM Foley, Commander in Chief, U. S. Pacific Fleet

4 Dec GEN Kim, ROK Air Force

5 Dec 22 Distinguished Visitors from the Republic of Korea, plus two escorts from U. S. Embassy.

5 Dec Five man film crew from AFRTS-Korea for life on board an aircraft carrier feature. Five man television video crew from MBC-Korea for feature story on aircraft carriers.

8 Dec Four Japanese Self Defense Force Officers.

9 Dec 12 Japanese Distinguished Visitors and RADM McKay, Commander, U. S. Naval Forces, Japan. LTGEN Tixier, Commander, U. S. Forces, Japan.

12 Dec Eight Japanese Distinguished Visitors.

AMMUNITION EXPENDITURES FOR 1984

NALC	NAOMENCLATURE	QTY EXPENDED
A890	20 MM HEI	10796
A891	20 MM TP	25360
E488	MK 82 BOMB	752
E511	MK 83 INERT	48
E961	MK 106 PRAC BOMB	40
E973	MK 76 PRACTICE BOMB	5702
F017	BDU 45 INERT BOMB	286
F237	MK 82 INERT	13
F272	MK 84 BOMB	6
F392	M148 NOSE BOOSTER	405
F415	ARMING WIRE MK 9	958
F448	ARMING WIRE MK 3	401
F470	CXU-3 SIG CTG	4864
F474	MK 82 DST	10
F512	MK 83 DST	2
F535	FIN S/E MK 15 MOD 1A	41
F536	FIN S/E MK 15 MOD 2A	211
F542	MK 82 CON FIN	581
F562	MK 4 SIG CTG	1235
F574	DST FINS	12
F642	FIN F/MK 83	48
F649	FIN F/MK 84	6
F657	FIN CON F/MK 82 BOMB	188
F739	M904E4 NOSE FUZE	405
F842	ELEC FUZE MK 344	347
FW25	ARMING WIRE CLIP	508
FW26	SUPPORT CUP	84
FW31	NOSE PLUG	84
FW44	SPOTTING CHARGE MK 89	120
FW56	ELEC FUZE CLIP	50
FW76	AIM 54 PHOENIX SHOOTER	2
FW98	FLU 8	36
G104	MK 376 ELEC FUZE	6
GW03	MK 122 SAFETY SWITCH	353
GW86	FIN F/AIM 9	1
HW83	AIM 7E SPARROW	3
HW85	AIM 7E SPARROW	1
HW86	AIM 7E SPARROW	4
HW87	AIM 7E SPARROW	3
HW89	AIM 7E SPARROW	1
HW90	AIM 7E SPARROW	1
L118	MK 79 SIG ILL	12
L225	VERY CTG	1
L226	VERY CTG	4
L227	VERY CTG	2
L275	MK 13 DIS SIG	40
L426	MK 45 PARA FLARE	190
L441	LUU-2B PARA FLARE	96
L554	MK 25 MLM	415
L580	MK 58 MLM	267
L585	MK 58 MLM	434
LW02	SUS BAND F/MK 58	645
LW03	SPACER F/MK 58	211

LW35	MK 34 ADAPTER KIT	270
LW60	MK 46 DECOY FLARE	1188
LW62	MJU-8B DECOY FLARE	711
M012	MK 19 IMP CTG	76
M174	50 CAL ELEC	1
M190	MK 2 IMP CTG	9183
M197	MK 131 IMP CTG	2291
M363	MK 124 IMP CTG	260
M365	MK 1 IMP CTG	24
M397	CTG SET IMP	2
M520	CTG IMP	2
M688	INIT CTG ACT	2
M723	JAU 1B CTG	5808
M727	INIT CTG	2
M741	GAS PRESSURE GEN	1
M943	MK 107 CTG	45
MD48	CTG IMP	13993
NW20	RR129 CHAFF	14454
NW40	RR171 CHAFF	90
PA34	AIM 9 SIDEWINDER	9
PA72	AIM 9 SIDEWINDER	1
PF26	FINS F/AIM 9	15
PF27	FINS F/AGM-45	1
PF32	WINGS F/AIM 9	7
PW32	WINGS AND FINS F/AIM 7E SPARROW	10
QW57	ATM 45 SHRIKE	1
R175	MK 52 MINE	16
R176	MK 55 MINE	18
R230	MK 56 MINE	4
R522	MK 19 FAIRING F/MINE	4
R523	MK 20 FAIRING F/MINE	6
R524	MK 21 FAIRING F/MINE	4
SW09	MK 64 SUS	31
SW39	MK 84 SUS	29
XW63	FIN RELEASE BAND	242
YW26	WING F/AIM 9	4
1405	TORPEDO EX	8
1407	TORPEDO EX	9
1513	TORPEDO EX	3
1515	TORPEDO EX	3
8W39	SPACER F/MK 25 MLM	72