

ALL HANDS

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Welcome to the '97 Edition

The Navy's forward presence last year played a key role in operations around the globe. When the call came, our forward-deployed Sailors were there, ready to respond instantly. 1997 will find the Navy continuing to project our power "Forward...From the Sea."

In January 1994, the staff of All Hands introduced the first Owners' and Operators' Manual, a user-friendly annual report of your Navy.

This special edition continues to be our most popular issue. It serves not only as a handy resource for general and specific Navy information, it also gives you, the Sailor, a glimpse of where the Navy is heading in this ever-changing world.

In this, our fourth edition, you will find photographs and graphics that tell the story our Navy: our high-tech ships, aircraft and submarines and our most sophisticated weapons systems. You will also find a synopsis of what is happening in the Navy during this time of change.

Finally, and most importantly, as we tell our story through words and pictures, you will see

our most valuable asset, the men and women of today's Navy, doing a variety of jobs to support the Navy's multi-faceted and ever-changing mission. †

U.S. Navy photo



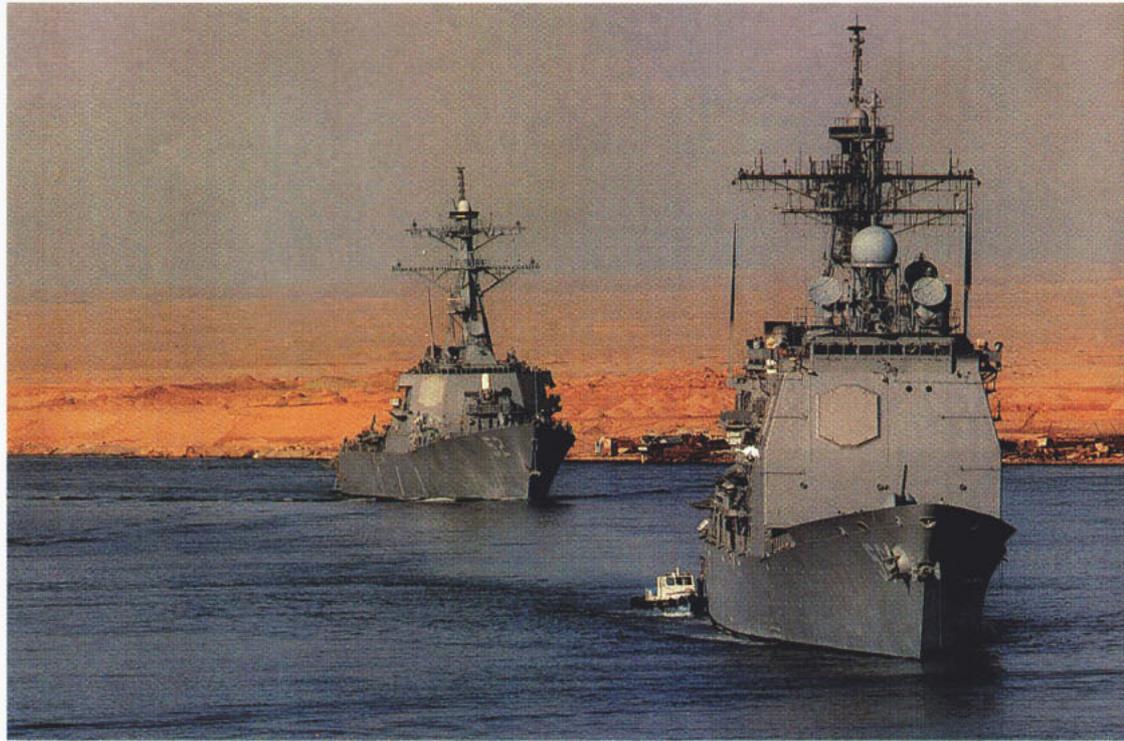
1997
Owners' & Operators' Manual

Forward presence:

This morning, keys are turning in the front door of thousands of American business offices literally “forward deployed” all over the world. American companies invest in overseas presence because “being there” is clearly the best way to do business.

Also this morning, thousands of Sailors and Marines are forward deployed to “hot spots” around the globe, including Bosnia, Somalia, Liberia, the Arabian Gulf and the western Pacific.

The vigilant “forward presence” of these forces is vital, but not always visible. Although their routine daily efforts don’t always make headlines, these Sailors and Marines play an important role in maintaining world peace and stability.



Forward presence - in the form of forward-deployed naval forces - is vital to maintaining regional stability, and keeping these crises from escalating into full-scale wars. In today’s post-Cold War world, our forward-deployed naval forces

termination. The underlying assumption of these beliefs is that it is much better - and cheaper - to resolve a crisis before it burns out of control.

Prevent

The key to prevention is forward presence - the continuous presence in a region. Our presence lets our friends know we have an interest and lets potential foes know that we’re there to check any aggressive moves.

This is forward presence.

Deter

Unfortunately, presence doesn’t prevent every crisis. Some rogues are going to be tempted to strike no matter what the odds. They will require active measures to be deterred. When crises reach this

provide the vital link between peacetime operations and the needs of a developing crisis. There are four basic tenets to international security: prevention, deterrence, crisis resolution and war

Photo by JO3 E. Michael Wagner



on station, ready to respond

U.S. Navy photo

level, there is no substitute for sustained actual presence. Forward deployed naval forces are already on station and ready to respond on short notice. These visible forces are free from diplomatic and territorial constraints and form the bedrock of regional deterrence. For example, the mere presence of naval forces countered Iraqi saber-rattling toward Jordan and deterred Chinese attempts to derail the democratic process in Taiwan.

Although hard to quantify, the cost savings of deterring a crisis before it escalates is real — in dollars and, often, in blood and human misery.

This is forward presence.

Resolve

If a crisis can be neither prevented or deterred, then prompt and decisive crisis resolution is imperative before it threatens vital national interests. The ability of forward deployed naval forces to be on scene and take unilateral action in a crisis without permission from foreign governments is key.

Over the last two years, naval forces simultaneously and unilaterally deployed to Liberia and to the Central African Republic 1,500 miles inland to protect U.S. and international citizens.

They also launched measured retaliatory Tomahawk strikes to constrain unacceptable Iraqi behavior, and conducted naval air and Tomahawk strikes which brought the warring parties in Bosnia to the negotiating table.

This is forward presence.

Terminate

Each of the above tenets is worthy of the United States paying an annual peace insurance premium. Otherwise we, and our allies, risk paying the emotional, physical and financial costs of a full-blown

war that began as just another skirmish.

If there is a war, forward deployed naval forces will be first to fight. They will remain on-scene to enforce any settlements that end the conflict.

This is forward presence.

The philosophy of forward presence is simple: prevention through living in the environment; deterrence through vigilance; and resolution through quick and selective engagement.

Naval forces are underway, on station and ready to respond at trouble spots around the world. Forward presence makes it - and will keep it - the right force, tailor-made for today's uncertain times. †



Photo by PH1(AW) Les G. Waldenburg

1996 Naval

Operation Provide Promise

July 1992 - March 1996
Joint/combined operation to support humanitarian aid in Bosnia-Herzegovina.

Operation Sharp Guard

June 1993 - June 1996
U.N. sanctions enforced in the former Yugoslavia (amended November 1994 to exclude Bosnia) in conjunction with western European Union forces.

Operation Joint Endeavor

December 1995 - present
NATO operation to implement the military aspects of the Dayton Peace Agreement.

TWA 800 Salvage Operations

July-Nov 1996
Navy divers and salvage ships recovered victims, located and retrieved the flight data and voice recorders and removed more than 95 percent of the wreckage of TWA Flight 800 off Long Island, N.Y.

United Nations Mission Haiti

April 1995 - present
This joint/combined operation provided humanitarian civil assistance and continues to support democratic reforms in Haiti.

Counter Drug Ops

1989 - present
From January to November 1996, approx. 50,057 kilos of cocaine with an estimated value of \$2.5 billion dollars was seized. Since 1989, more than 463,000 kilos of cocaine with an estimated value of \$26 billion has been stopped

Operation Assured Response

April - August 1996
The operation provided Embassy security, noncombatant evacuation order and protection mission in and around Liberia.

UNITAS

The annual 5-month deployment that circumnavigates Latin America supports regional stability in the Western Hemisphere and provides interaction between U.S. and other foreign forces.

West African Training Cruise (WATC '96)

WATC '96 is aimed at enhancing host country military training and maintaining familiarity with the West African littoral environment.



Operations

Operation Decisive Edge

January 1996 - present
Joint/combined operation to support peace implementation force and enforce the U.N.-mandated no-fly zone in the airspace over Bosnia-Herzegovina.

The Partnership For Peace (PFP)

Naval forces conducted four major PFP exercises with Eastern European nations including *BALTOPS '96* (in the Baltic Sea) and *Cooperative Osprey '96* (Camp Lejeune, N.C.)

Operation Southern Watch

August 1995 - present
Coalition force enforcement of the no-fly zone in southern Iraq (below 32nd parallel) against Iraqi aircraft.

Operation Vigilant Sentinel

August 1995 - present
Navy-Marine Corps combat forces in Kuwait participated in U.S. activities to deter potential Iraqi aggression.

CARAT '96

Regional stability in Southeast Asia is supported by the Pacific Fleet's Cooperation Afloat Readiness and Training program in the South China Sea.

Flexible Deterrent Options

March - April 1996
Forward-deployed naval forces proved their value as 7th Fleet monitored Chinese military activity off the coast of Taiwan.

Operation Quick Response

May - August 1996
Navy-Marine Corps responsible to Liberian civil unrest and rebellion by rogue military elements and provided security for the American Embassy while evacuating 448 noncombatants.

Operation Desert Strike

September 1996
Operations in response to Iraq's recent aggression against Kurds in northern Iraq. This expanded the no-fly zone established under Operation *Southern Watch*.

Maritime Intercept Operations

During 1996, maritime interception operations continued in the Arabian Gulf in support of U.N. sanctions against Iraq.





Steering by the stars

“As a vision for the future, let me just say we will steer by the stars and not the wake. And I see four stars of equal magnitude in the constellation that will guide us: operational primacy, teamwork, leadership and pride.”

— Admiral J. Johnson, Chief of Naval Operations

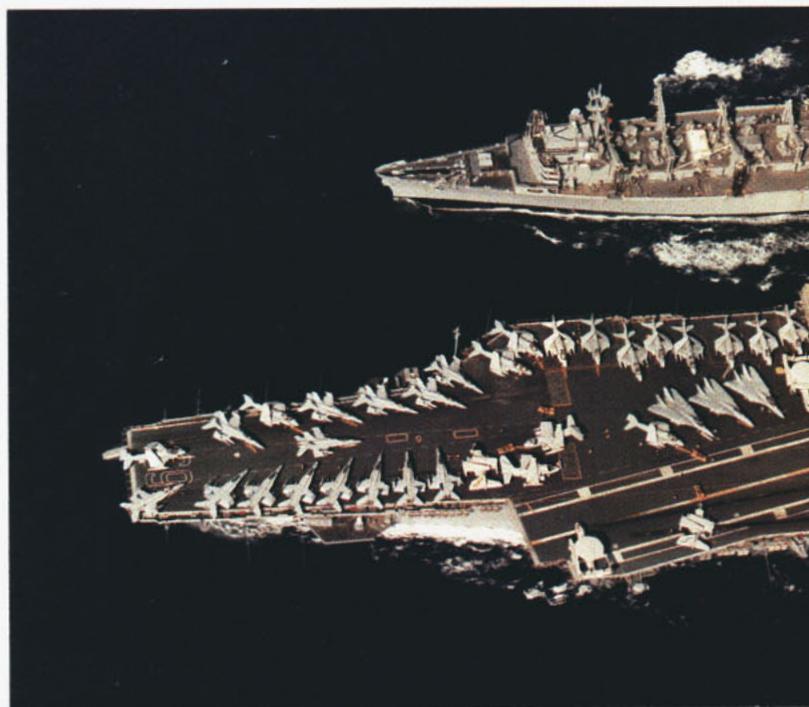
Operational primacy: doing what we do best

The U.S. Navy is founded on the principles of maritime dominance and forward presence as a deterrent to hostilities. When this deterrent is tested or hostilities break out, we are there and we are ready. Our ability to respond quickly and decisively is a cornerstone of our national security. We are committed to supplying our people with the best weapons, platforms and equipment so they can continue to execute their operational missions at peak levels of performance.

In 1996, forward-deployed U.S. naval forces were on-scene and answered the call in the Adriatic Sea, the Taiwan Straits, off the coast of West Africa and in the Arabian Gulf, influencing events, supporting operations ashore and asserting U.S. policy. We also brought our specialized capabilities to bear where no others could during strategic *Tomahawk* missile strikes in response to Iraqi aggression. In each instance, we've proved that naval forces, operating "Forward ... From the Sea," are essential to national security.

In 1997, U.S. naval forces will continue at the frontlines of America's security position around the globe, providing the strategic imperative, peacetime forward presence, crisis response capability, regional conflict response and joint and combined operational ability.

Our guiding principle of "Forward ... From the Sea" will be enhanced with a new Forward Vision, looking ahead to meet the needs of the nation with a fully trained and equipped naval force, including active duty





U.S. Navy photo

personnel, reserve forces, civilian employees and Navy families.

Teamwork: how it all comes together

Taking care of each other is the essence of teamwork and the essence of the Navy tradition. Teamwork means modeling the Navy's core values of Honor, Courage and Commitment to subordinates and demonstrating our dedication to those principles daily to superiors. Teamwork means looking out for and acting on what is best for our country, for the Navy, and for the unit — not looking out for individual glory and gain. Working

together is the only way to meet the challenges of the new century.

Leadership: where it all begins

Leadership in the world and the nation begins with each member of the U.S. Navy. From leading petty officers to chiefs to junior officers and senior commanders all the way to the Chief of Naval Operations, the principles of

leadership are constant. Leadership by example. Know your people, develop their abilities and use the lessons of the past to chart the future. These are the hallmarks of effective Navy leadership.

The Navy's Core Values of Honor, Courage and Commitment are the foundation for leadership. Live each day by these values. Demonstrate and communicate them to create an atmosphere of dignity, respect and common purpose essential to the fulfillment of our mission.

Pride: reward for performance

Today's Navy is ready for the challenges of tomorrow with a fully-engaged and forward-deployed cadre of professionals. Trained and ready, the combined active and Reserve Navy is fully capable of responding to the nation's needs at a moment's notice. The variety and quality of accomplishments performed on any given day in the Navy is truly remarkable. From the Sailor afloat who puts in extra effort to meet a standard, to the volunteer who works in the Family Service Center, to the civilian employee who thought of a way to "do it better," to the reservist who puts aside civilian commitments to serve ... there are many reasons to be proud — and we are. †



U.S. Navy photo

Battle Group

Kitty Hawk (CV 63) Class



Forrestal (CV 59) Class



Nimitz (CVN 68) Class



Enterprise (CVN 65) Class



Ticonderoga (CG 47) Class



Arleigh Burke (DDG 51) Class



Spruance (DD 963) Class



Oliver Hazard Perry (FFG 7) Class



Los Angeles (SSN 688) Class



Sturgeon (SSN 637) Class



Sacramento (AOE 1) Class & Supply (AOE 6) Class



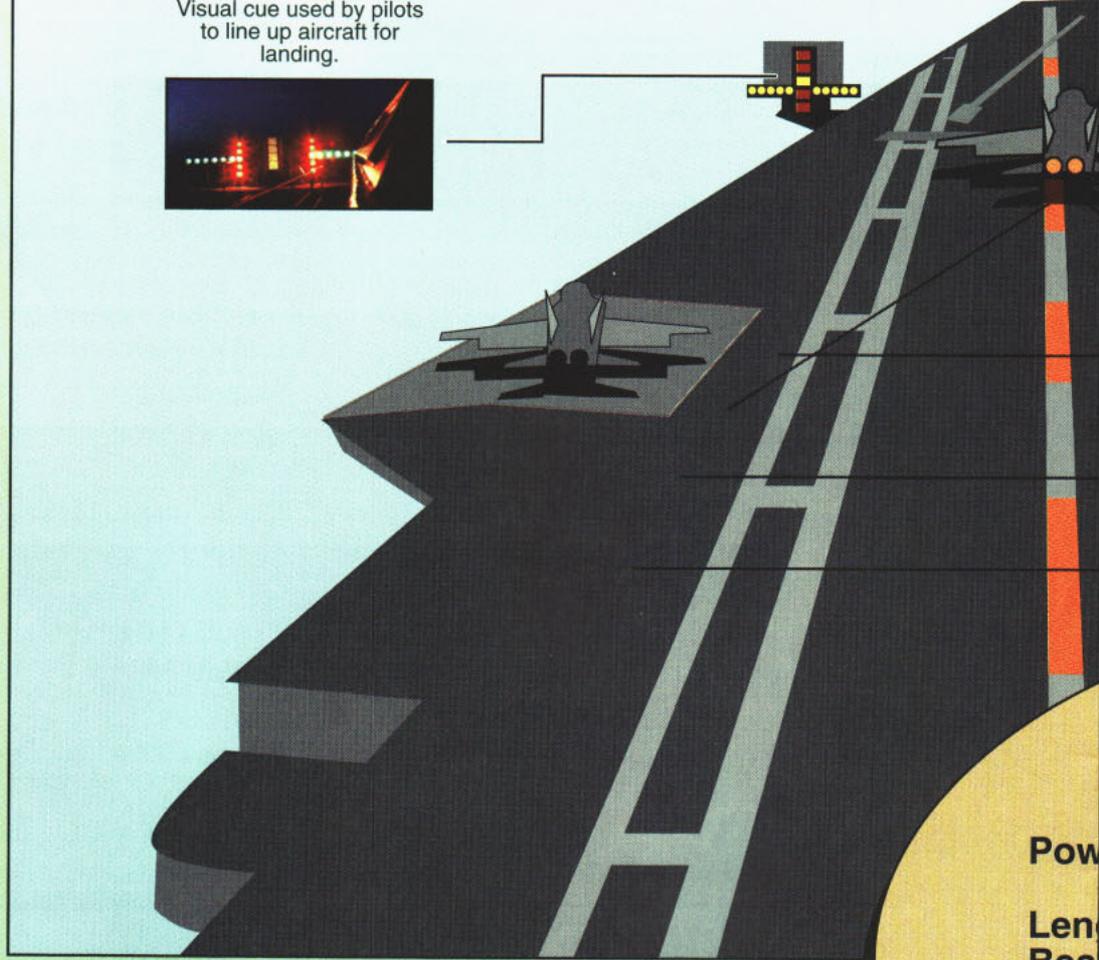
Carrier: powerho



Catapults
Accelerate aircraft to 150 mph for launch approximately 250 f

Meatball

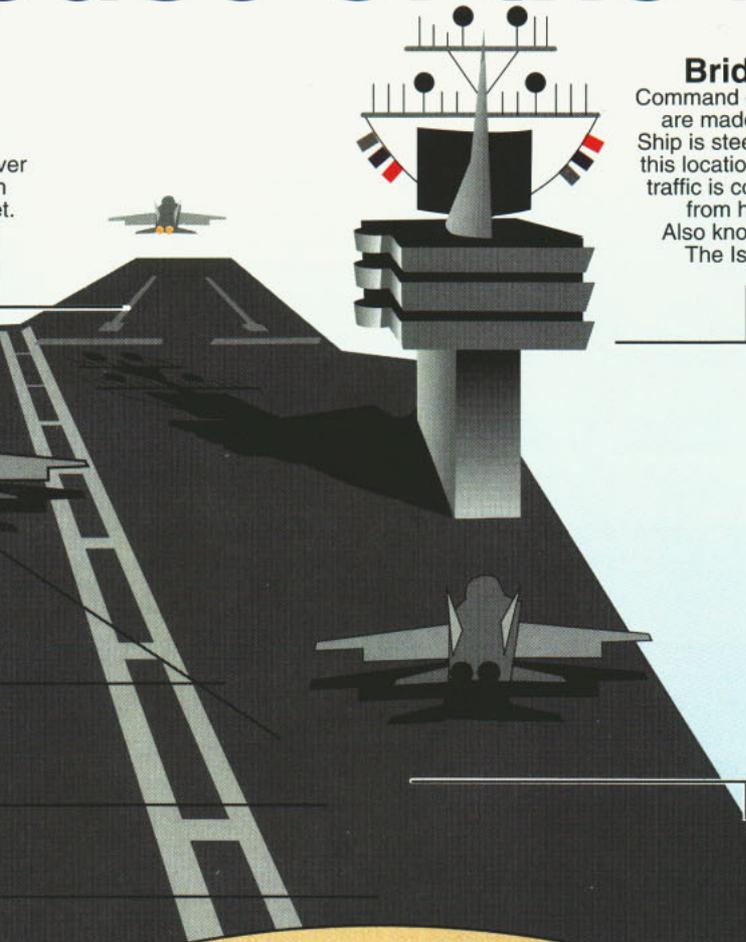
Visual cue used by pilots to line up aircraft for landing.



Power
Len
Bea
Disp
Spe
Airc
Crew
Arm

House of the fleet

ver
n
t.



Bridge

Command decisions are made here. Ship is steered from this location and air traffic is controlled from here. Also known as: The Island



Arresting cables

Used to stop aircraft at same position on deck—regardless of size and weight of aircraft

Aircraft Carrier facts:

Nimitz Class

er plant: Two nuclear reactors, four geared steam turbines, four shafts
th: 1,040 feet
n: 134 feet
lacement: 97,000 tons full load
d: 30+ knots (34.5 miles per hour)
raft: Approximately 85
y: Ship's company - 3,200 • Air wing - 2,480
ament: *Sea Sparrow* missiles (four launchers), *Phalanx* close-in weapons systems

Graphic by
JO2 Ray Sarracino

Air Wing

FA-18 E/F *Hornet*



FA-18 C/D *Hornet*



F-14 *Tomcat*



S-3 *Viking*



E-2 *Hawkeye*



EA-6B *Prowler*

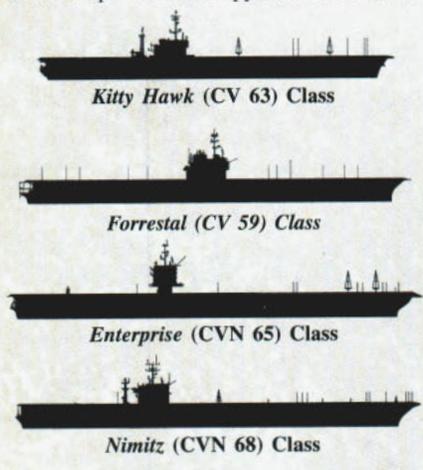


SH-60 *Seahawk*



Aircraft Carriers

The centerpieces of the Navy's offensive and defensive strategy, carriers support and operate aircraft that engage in attacks on airborne, afloat and ashore targets which threaten our use of the sea. These vessels also engage in sustained operations in support of other forces.

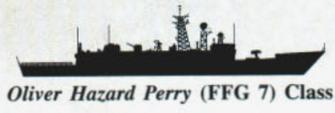


Surface Warfare Ships

Primary surface-borne combatants conduct at-sea battle operations against surface, air and sub-surface enemies, protect sea lanes and serve as front-line support to aircraft carriers in a battle group.

Frigates

Anti-submarine warfare combatants protect shipping lanes for amphibious expeditionary forces, as well as underway replenishment groups and merchant convoys.

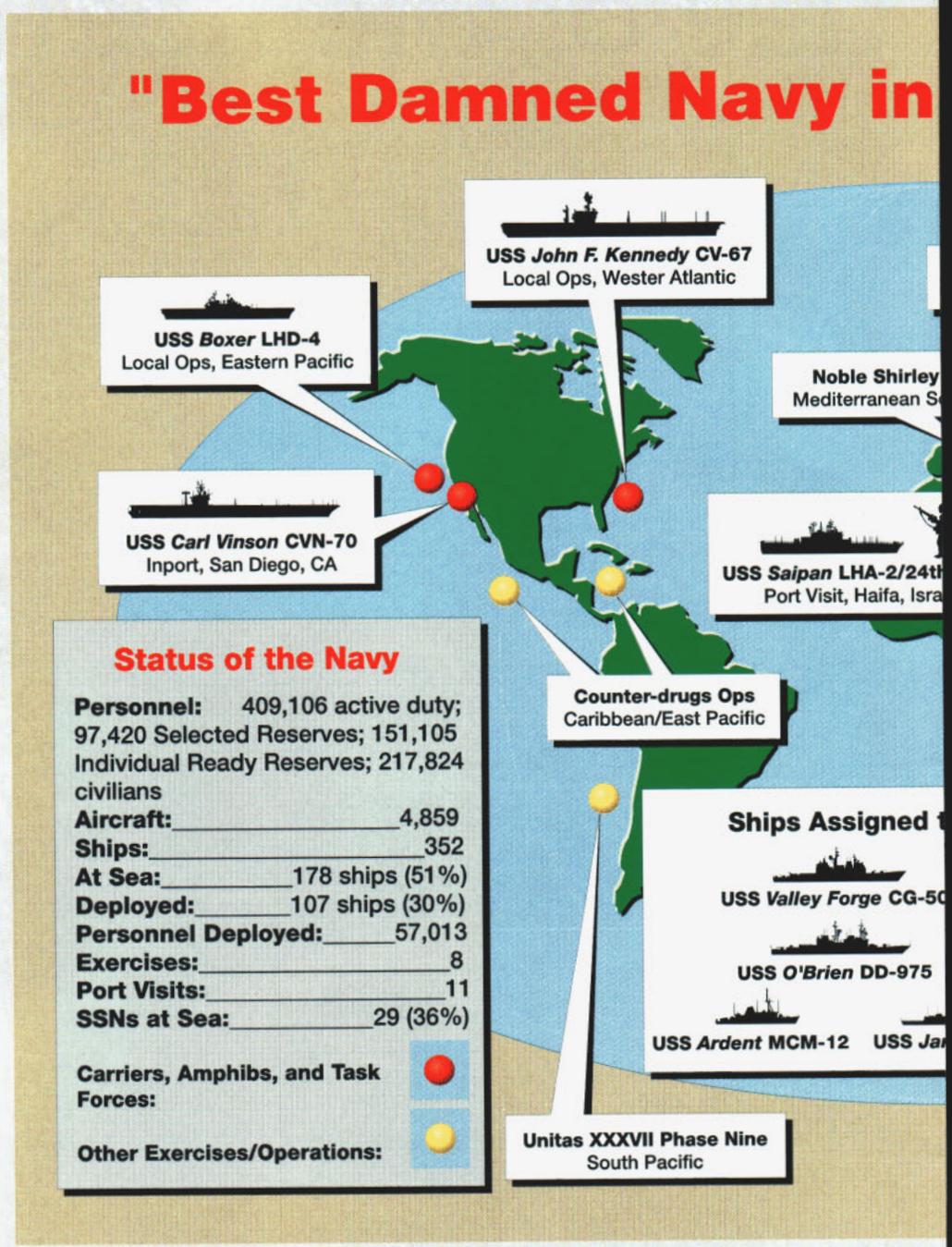


Destroyers

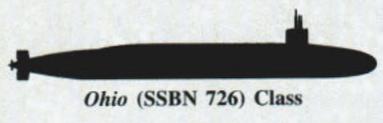
Support battle, surface action, amphibious, and replenishment groups. Destroyers are primarily used for anti-submarine warfare while guided-missile destroyers are multi-mission surface combatants.



"Best Damned Navy in the World"

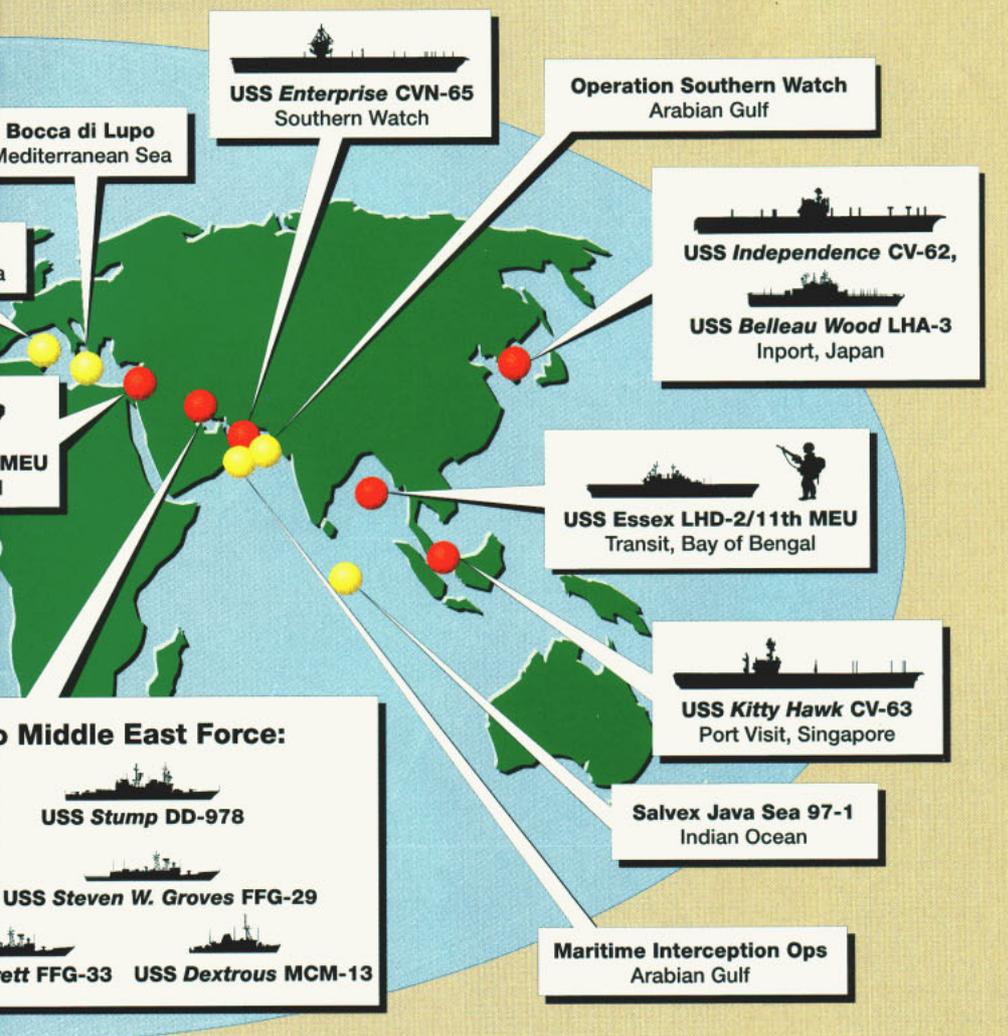


Ballistic Missile Submarines



Deterrence of war has been the sole mission and fundamental reason for the existence of the fleet ballistic missile submarine since its inception in 1960. Among the Navy's highest priority programs, ballistic missile submarines are the cornerstone of the national security policy functioning as the most survivable and enduring leg of the strategic deterrent triad.

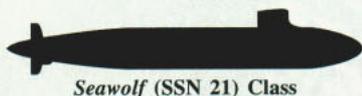
the World..." -Secretary of Defense William Perry



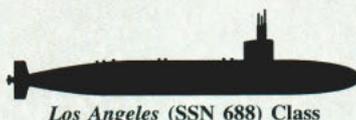
Where we were November 12, 1996

Attack Submarines

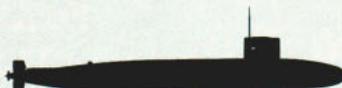
Destroy enemy ships, primarily submarines, to prohibit the employment of such forces against the United States or allied ships.



Seawolf (SSN 21) Class



Los Angeles (SSN 688) Class



Sturgeon (SSN 637) Class

Cruisers

Multi-mission surface combatants with extensive warfare capability support battle groups and amphibious forces. Also serve as flagship of surface action groups and can operate independently. Extensive warfighting capability. *Ticonderoga* and *Virginia*-classes are also equipped with *Tomahawk* ASM/LAM for long-range strike capability.



Ticonderoga (CG 47) Class



California (CGN 36) Class

Mine Warfare Ships

Clear vital waterways, such as choke points, harbors, and channels, of bottom and moored mines.

Mine Counter Measures



Avenger (MCM 1) Class

Mine Hunter



Osprey (MHC 51) Class

Fleet Support Ships

Provide repair, salvage and a variety of other types of support to the combatant fleet.

Rescue, Salvage & Towing

Provide rapid firefighting, dewatering, battle damage repair, and rescue towing assistance to save battle-damaged combatant ships in combat or high threat areas from further loss or damage; tow them to repair ships or bases located in safe areas.



Safeguard (ARS 50) Class

Naval Ships

Mobile Combat Logistics Force

Provide fuel, provisions and ammunition to combatant ships at sea via underway and vertical replenishment. These ships are an integral part of carrier battle groups as fuel, ammunition and stores reservoirs.

Fast Combat Support

Redistribute petroleum products, ammunition, and stores from shuttle ships to carrier battle groups through connected and vertical replenishment.



*Sacramento (AOE 1)
& Supply (AOE 6) Classes*

Ammunition

Deliver ammunition and stores, either independently or with other combat logistic ships, to combatants and/or battle group station ships using both connected and vertical replenishment.



Kilauea (AE 26) Class

Fleet Oiler

Transport bulk petroleum and lubricants from depots to underway battle group station ships, as well as combatants and support forces by alongside and vertical replenishment.



Cimarron (AO 177) Class

Coastal Patrol

Primarily provides coastal protection and interdiction. Also provides Naval Special Warfare Support, including long-range SEAL insertion/extraction and tactical swimmer operations.



Cyclone (PC 1) Class

Landing Craft Air Cushion

Transport weapons systems, equipment, cargo, and personnel of the assault elements of the Marine Air/Ground Task Force from both ship to shore and across the beach.



LCAC

Amphibious Warfare Ships

Carry assault troops and equipment to enemy beaches and serve as combat support platforms for these forces.

Assault Ships

Transport and land assault forces ashore by use of Landing Craft Air Cushion (LCAC), conventional landing craft, and helicopters.



Iwo Jima (LPH 2) Class



Wasp (LHD 1) Class



Tarawa (LHA 1) Class

Amphibious Command

Provide amphibious command and control in major amphibious operations.



Blue Ridge (LCC 19) Class



LaSalle (AGF 3) Class

Amphibious Transport, Dock

Transport and land Marines, their equipment and supplies by embarked landing craft or amphibious vehicles augmented by helicopters in amphibious assault.



Austin (LPD 4) Class

Dock Landing

Support amphibious operations on a hostile shore via Landing Craft Air Cushion (LCAC), conventional landing craft and helicopters.



*Whidbey Island (LSD 41)
& Harpers Ferry Classes*



Anchorage (LSD 36) Class

ALL HANDS *Factoid*

BIG BLADE

A single propeller on a NIMITZ-class aircraft carrier weighs 69,300 pounds and is 22 feet high.

Tenders

Provide mobile base facilities for maintenance and logistic support to submarines and surface combatants.



*L.Y. Spear (AS 36)
& Emory S. Land (AS 39) Class*

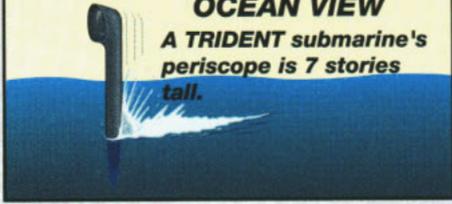


Simon Lake (AS 33) Class

ALL HANDS Factoid

OCEAN VIEW

A TRIDENT submarine's periscope is 7 stories tall.



Military Sealift Command

The Military Sealift Command (MSC) maintains a fleet of ships which provides a variety of unique support missions to the fleet and other military services. These ships are primarily crewed by civilians with a contingent of U.S. Navy personnel.

Maritime Prepositioning

Long-term prepositioning of land-based equipment and supplies in set locations worldwide.



Fast Sealift

Rapid, worldwide deployment of tanks, helicopters and other military supplies and equipment.



Combat Stores

Provide refrigerated and general stores, dry provisions, technical and aviation spares, fleet freight, mail, personnel and other items underway from five stations and with two H-46 helicopters.



Oilers

Transport bulk petroleum products from shore depots to replenishment ships and combatants under way making task groups as independent as possible of limited freight, mail and personnel.



Tankers

Worldwide delivery of petroleum products to DoD users and support of fleet operating units.

Aviation Logistics Support

Dedicated fast sealift for movement of a functional aviation intermediate maintenance activity to support U.S. Marine Corps fixed and rotary wing aircraft.



Ocean Surveillance

Tow the Surveillance Towed Array Sensor (SURTASS).



FBM Resupply

Provide logistic resupply for submarines and submarine tenders deployed overseas and at East Coast refit sites.



Oceanographic Research

Support naval oceanography research.



Oceanographic Survey

Mapping and oceanographic survey of ocean floors and coastlines.



Cable Repair

Transport, deploy, retrieve and repair submerged cables; tow acoustic projectors; cable plow; and conduct acoustic hydrographic and bathymetric surveys.



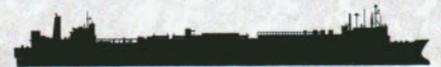
Auxiliary Crane

Mobile discharge facility for non self-sustaining container ships in ports without operational container off-load capability.



Fleet Ocean Tugs

Tow battle-damaged and otherwise non-operational fleet ships to safe ports; conduct salvage operations and support other special missions.



Hospital Ships

Mobile, rapidly responsive afloat medical facility to provide acute medical and surgical care in support of amphibious and naval task forces in areas where hostilities may be imminent. Also provide a full hospital asset for use by other U.S. government agencies in support of disaster relief operations worldwide.



Dry Cargo

Point-to-point cargo delivery service to MSC customers worldwide meeting requirements not normally covered by regularly scheduled commercial service (wide variety of types and sizes).

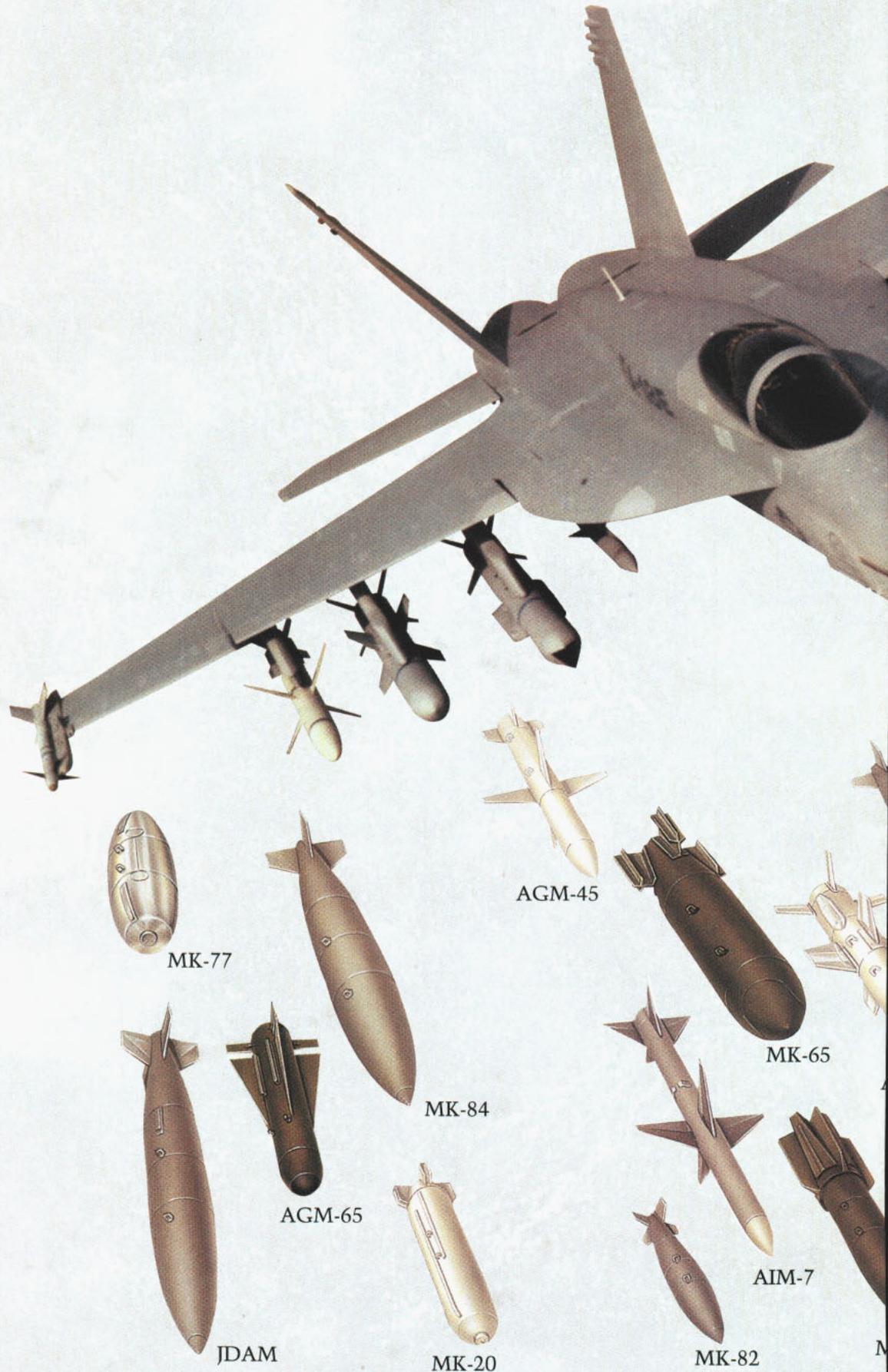
ALL HANDS Factoid



GONE FISHING...

The littoral zone is a highly complex near-shoreline area with an estimated variety of 200,000 living organisms. Most are microscopic. Ninety percent of all the world's fish and shellfish are caught in the littoral.

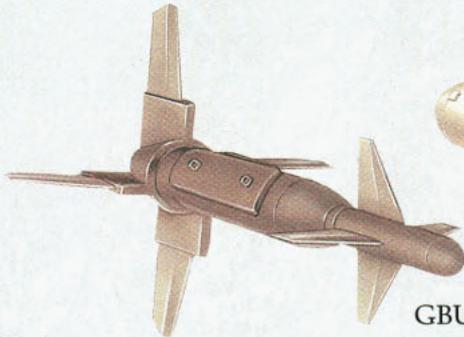
FA-18E/F Super Hornet:



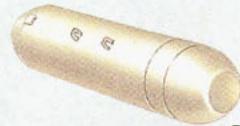
The future is now



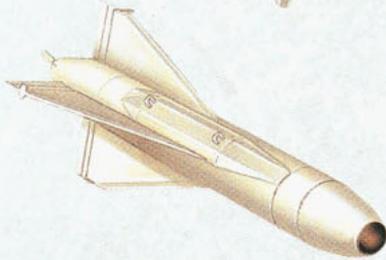
TALD



GBU-24



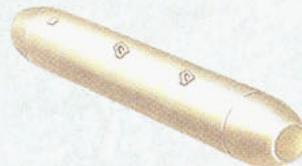
LAU-61



Walleye-ER/DL



LAU-68



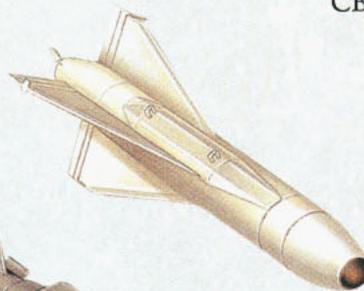
LAU-10



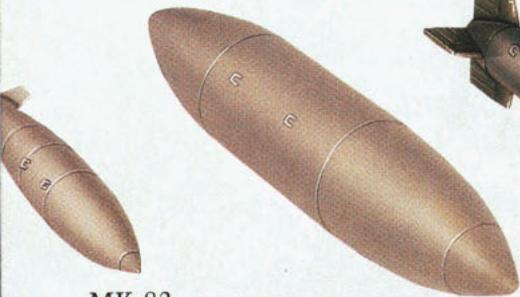
CBU-59



GBU-16



Walleye-1



MK-83

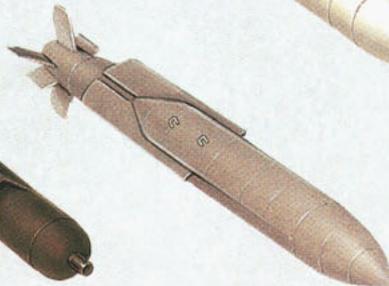
Tank-330



GM-84D



MK-56



CBU-72

JSOW



MK-62



GBU-12



MK-63

Naval Aircraft

Fighters, Bombers & Tactical Aircraft



F/A-18E/F Hornet

The F/A-18 all-weather strike fighter provides fleet defense and escort. It is also used for force projection, interdiction and air support. The E/F model boasts increased range, more powerful engines, heavier payload and increased bring-back capability.

Wingspan: 37 ft., 6 inches
 Length: 56 ft.
 Height: 15 ft., 3.5 in.
 Speed: Mach 1.8+
 Range: 2,073 miles
 Armament: 20mm M-61A1 *Vulcan* cannon
Sparrow III missile (fighter)
Sidewinder missile (fighter)
 Guided /conventional air-to-ground ordnance (attack)
Harpoon & *HARM* missiles
 Crew: 1 (A, C & E); 2 (B, D & F)



F/14D Tomcat

The variable sweep wing, F/14 *Tomcat* destroys multiple targets in all weather conditions, using a vast array of weapons. The *Tomcat* is also used for power projection and as an interceptor. The aircraft has recently been adapted for an air-to-ground attack role.

Wingspan: 64 ft. (unswept);
 38 ft. (swept)
 Length: 61 ft., 8 inches
 Height: 16 ft.
 Speed: Mach 2+
 Range: 2,300 miles
 Armament: AIM-54s, AIM-7s and AIM-9s
 Air-to-ground ordnance
 20mm M-61A1 *Vulcan* cannon
 Crew: 2



EA-6B Prowler

The all-weather, subsonic *Prowler* supports air strikes and ground troops by jamming enemy radar, and providing electronic data links and communications.

Wingspan: 53 ft.
 Length: 59 ft., 10 inches
 Height: 16 ft., 3 inches
 Speed: 610 mph
 Range: 1,099 miles
 Armament: *HARM* missiles
 Crew: 4



S-3 Viking

The carrier-based, all-weather, multi-mission S-3 *Viking* seeks and destroys submarines and provides surveillance.

Wingspan: 68 ft., 8 inches
 Length: 53 ft., 4 inches
 Height: 22 ft., 9 inches
 Speed: 518 mph
 Range: 2,645 miles
 Armament: *Harpoon* missiles; rockets; mines; torpedoes; depth charges
 Crew: 4



P-3C Orion

The P-3C is a land-based, long-range anti-submarine patrol aircraft. Using sonobuoys and magnetic anomaly detection equipment, it detects, identifies and destroys submarines.

Wingspan: 99 ft., 8 inches
 Length: 116 ft., 10 inches
 Height: 33 ft., 8 inches
 Speed: 473 mph
 Range: 2,383 miles
 Armament: *Harpoon* missile
 MK-46 torpedoes, mines; depth charges; sonobuoys
 Crew: 10

Command and Control Aircraft



E-2C Hawkeye

The carrier-based E-2C aircraft uses computer sensors to provide early warning, threat analysis and counteraction control for a carrier battle group.

Wingspan: 80 ft., 7 inches
 Length: 57 ft., 6 inches
 Height: 18 ft., 4 inches
 Speed: 389 mph
 Range: 1,500+ miles
 Armament: None
 Crew: 5

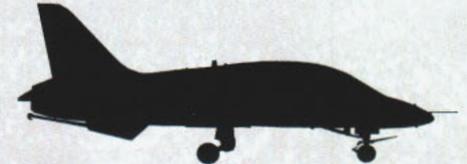


E-6A TACAMO

The E-6A provides secure, jam-resistant strategic communications relay for submarines using a wire antenna several thousand feet long.

Wingspan: 148 ft., 4 inches
 Length: 152 ft., 11 inches
 Height: 42 ft., 5 inches
 Speed: 610 mph
 Range: 6,700 miles
 Armament: None
 Crew: 14

Training Aircraft

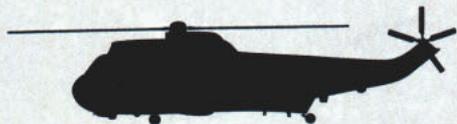


T-45A Goshawk

The T-45 serves as an intermediate and advanced pilot trainer for jet carrier aviation and tactical strike missions.

Wingspan: 30 ft., 10 inches
 Length: 39 ft., 4 inches
 Height: 14 ft.
 Speed: 620 mph
 Range: 1150 miles
 Armament: None
 Crew: 2 (instructor, student)

Helicopters



SH-3H Sea King

The ship-based SH-3H all-weather helicopter detects, classifies, tracks and destroys submarines, and provides support, search and rescue functions.

Length: 54 ft., 9 inches
 Height: 17 ft.
 Speed: 136 mph
 Range: 623 miles
 Armament: 2 - MK-46 torpedoes
 Crew: 4



SH-60B Seahawk

The SH-60 is part of the LAMPS Mk-III computer integrated ship/helicopter weapons system. It provides a remote platform for weapons deployment, sensor information and surveillance.

Length: 64 ft., 10 inches
 Height: 17 feet
 Speed: 144 mph
 Range: 380 + miles
 Armament: 2 - MK-46 torpedoes
 Crew: 3

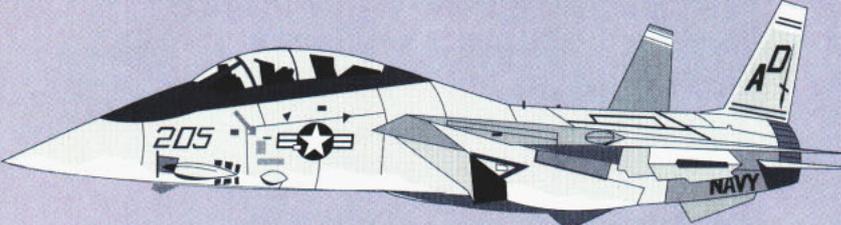


CH-46 Sea Knight

The versatile UH-46 transports cargo and personnel and conducts search and rescue missions.

Length: 46 ft.
 Height: 17 ft.
 Speed: 165 mph
 Range: 132+ miles
 Armament: None
 Crew: 4

ALL HANDS *Factoid*



ONE FAST CAT

The fastest Navy aircraft is the F-14 TOMCAT which can fly 2.3 times the speed of sound.



CH-53 Sea Stallion

The CH-53 helicopter transports personnel, equipment and supplies. It can be equipped for mine countermeasures and amphibious operations.

Length: 67 ft., 5 inches
 Height: 24 ft., 11 inches
 Speed: 184 mph
 Range: 665 miles
 Armament: None
 Crew: 3

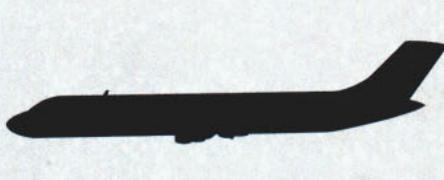
Transport Aircraft



C-130 Hercules

The versatile, multi-purpose C-130 transports personnel and cargo and can be outfitted for special operations.

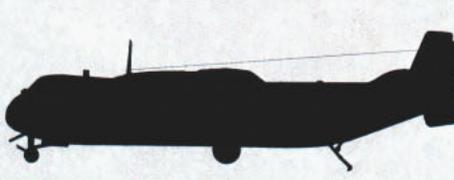
Wingspan: 132 ft., 7 inches
 Length: 97 ft., 9 inches
 Height: 38 ft., 3 inches
 Speed: 374 mph
 Range: 2,350 miles w/ max. payload;
 5,200 empty
 Armament: None; can be fitted with 7.62mm miniguns, 20mm Vulcan cannons, 40mm Bofors cannons and 105mm Howitzer
 Crew: 5



C-9B Skytrain II

The C-9B provides intratheater transport and logistics support. It also airlifts naval reservists to and from training sites.

Wingspan: 93 ft., 3 inches
 Length: 119 ft., 3 inches
 Height: 27 ft., 5 inches
 Speed: 565 mph
 Range: 2,000 miles
 Armament: None
 Crew: 8



C-2A Greyhound

The C-2A turboprop delivers critical logistics support to carriers through its primary mission of Carrier On-board Delivery (COD).

Wingspan: 80 ft., 7 inches
 Length: 56 ft., 10 inches
 Height: 15 ft., 11 inches
 Speed: 357 mph
 Range: 1,796 miles
 Armament: None
 Crew: 4

Seawolf: The next generation

SEAWOLF CHARACTERISTICS

Class:	<i>Seawolf</i> (SSN 21) nuclear-powered, attack submarine
Christened:	June 24, 1995
Displacement:	9,150 tons submerged
Length:	353 feet
Hull Diameter:	40 feet
Draft:	35 feet
Speed:	In excess of 25 knots
Depth:	In excess of 800 feet
Weapons:	Mark 48 anti-submarine torpedoes; <i>Harpoon</i> missiles; <i>Tomahawk</i> cruise missiles
Complement:	Approximately 130 crew members
Quietness:	Less detectable at high speed than a <i>Los Angeles</i> class SSN sitting at the pier.

Seawolf successfully completes initial sea trials

Seawolf (SSN 21), the Navy's newest and most advanced attack submarine, completed its initial sea trial July 5, and returned to Electric Boat Corp., in Groton, Conn.

The test program included first underwater submergence, acoustics trials, engineering inspections and at-sea training for the crew.

"This is a great day both for the Navy and for the nation," said ADM Bruce DeMars, director, Navy Nuclear Propulsion, when the submarine returned.

"The ship behind us is the most complicated thing built in this country. Today the country has the fastest, the quietest, the most heavily armed submarine in the world."

The *Seawolf* submarine provides the Navy with advanced weaponry and new tactical capability and communications. Compared to previous SSNs, it

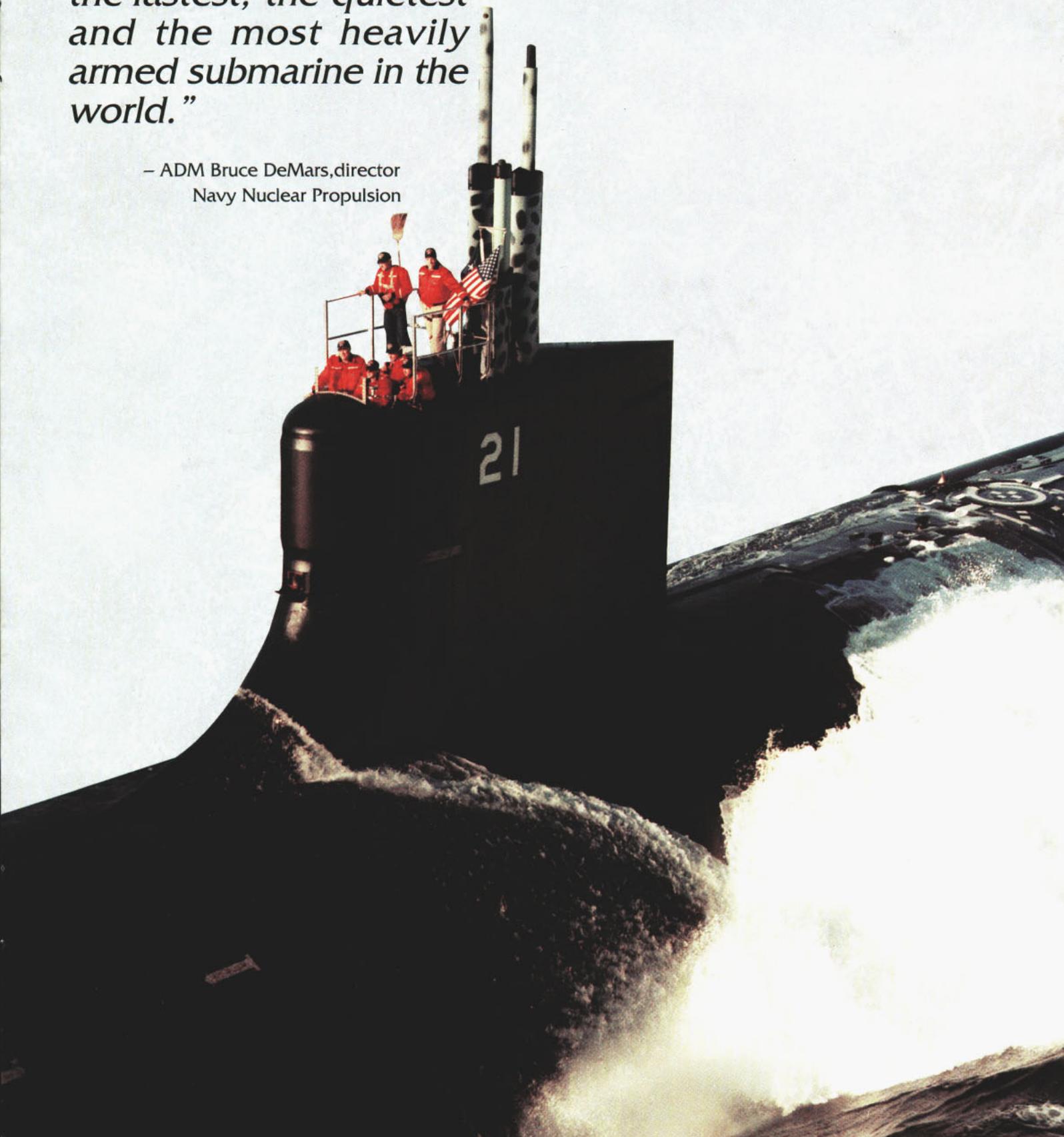
carries an increased weapons load of Mark 48 anti-submarine torpedoes, *Harpoon* missiles and *Tomahawk* cruise missiles.

Seawolf's robust design supports missions including surveillance, intelligence collection, special warfare, covert cruise missile strike, mine warfare, anti-submarine and anti-ship warfare. †

of Navy submarines

“Today the country has the fastest, the quietest and the most heavily armed submarine in the world.”

– ADM Bruce DeMars, director
Navy Nuclear Propulsion





Air-to-Air Missiles

Sparrow

Primary mission: Highly maneuverable, radar-guided missile, with all-weather capability; can attack high-performance aircraft and missiles from any direction. **Dimensions:** length – 12 ft.; diameter – 8 in.; weight – 510 lbs. **Range:** more than 30 nautical miles. **Payload:** blast fragment, high explosive.

Phoenix

Primary mission: All-weather, long-range missile, carried in clusters, up to six missiles on the F-14; provides near simultaneous launch against multiple air targets. **Dimensions:** length – 13 ft.; diameter – 15 in.; weight – 989 lbs. **Range:** more than 104 nautical miles. **Payload:** proximity fuse, high-explosive; weight – 135 lbs.

Sidewinder

Primary mission: All-weather, heat-seeking, short-range, dogfight missile; can be used day or night and hones in on the engine exhaust of target aircraft. **Dimensions:** length – 9 ft., 4.2 in.; diameter – 5 in.; weight – 188 lbs. **Range:** 10,000 to 20,000 yards. **Payload:** annular blast fragmentation; weight – 20.8 lbs.

AMRAAM

Primary mission: All-weather, radar-guided beyond-visual range missile; provides launch and leave capability and multiple target engagement capability. **Dimensions:** length – 11 ft., 9 in.; diameter – 7 in.; weight – 300 lbs. **Range:** 39 nautical miles. **Payload:** blast high explosive.



Cruise Missiles

Harpoon

Primary mission: All-weather, over-the-horizon anti-ship missile; capable of being launched from surface ships, submarines or from aircraft to destroy combatants, submarines or other shipping. **Dimensions:** length – 15 ft., surface/submarine launched; 12 ft., 7 in. air launched; diameter – missile body, 13.5 in. **Payload:** 500 lbs. high explosive, blast penetrator.



Tomahawk Cruise Missile

Primary mission: Long-range, subsonic cruise surface warfare; and conventionally or nuclear-armed. **Dimensions:** length – 18 ft., 3 in.; diameter – 20.4 in. **Payload:** conventional submunitions dispenser with combined effect.

Fleet Ballistic Missiles

Trident II (D-5)

Primary mission: Subsurface to surface strategic nuclear deterrence. **Dimensions:** length – 44 ft.; diameter – 83 in.; weight – 126,000 lbs. **Range:** more than 6,000 nautical miles. **Payload:** Thermonuclear MIRV (Multiple Independently Targetable Re-entry Vehicle); Maneuverable Re-entry Vehicle (MRV) warhead.

Trident I (C-4)

Primary mission: Subsurface to surface strategic nuclear deterrence. **Dimensions:** length – 34 ft.; diameter – 74 in.; weight – 73,000 lbs. **Range:** 4,000 nautical miles. **Payload:** Thermonuclear MIRV with maneuverable warhead.

Surface-to-Air Missiles

Standard Missile Family

Primary mission: Engage and intercept aircraft, anti-ship missiles and surface ships. SM-1 MR, SM-2 MR **Dimensions:** length – 14 ft., 7 in.; diameter – 13.5 in.; weight – SM-1, 1,100 lbs.; SM-2, 1,380 lbs. **Payload:** proximity fuse, high explosive. SM-2 ER **Dimensions:** length – 26.2 ft.; diameter – 13.5 in.; weight – 2,980 lbs. **Payload:** proximity fuse, high explosive.



Air-to-Ground Missiles

HARM Missile

Primary mission: High-speed, anti-radiation missile; designed to seek out and destroy enemy radar-equipped air defense systems. **Dimensions:** length – 13 ft., 7 in., diameter – 10 in., weight – 798 lbs. **Range:** approximately 80 nautical miles. **Payload:** blast fragmentation.

IR Maverick Missile

Primary mission: Forward fired, infrared-guided weapon; designed for day/night sea warfare and land interdiction. **Dimensions:** length – 8 ft. 2 in.; diameter – 12 in.; wing span – 2 ft., 4 in.; weight 675 lbs. **Range:** 12 nautical miles. **Payload:** 300 lb. penetrating/blast warhead.

Anti-radar Missile

Primary mission: The AGM-45 shrike is designed to home in on anti-aircraft radars. **Dimensions:** length – 10 ft., diameter – 8 in.; weight – 390 lbs. **Range:** delivered by fighter aircraft, employs solid-fueled rocket. **Payload:** explosive blast warhead.



Naval Guns

MK 15 Phalanx Close-in Weapons System (CIWS)

Primary mission: Fast-reaction, rapid-fire 20-millimeter gun system; provides defense against anti-ship missiles and hostile air targets at short range. **Dimensions:** weight – 12,500 lbs.; magazine capacity – 1,500 rounds of 20 mm ammunition. **Features:** 3,000 - 4,500 rounds per minute.

MK 75, 76mm/.62 Caliber Gun System

Primary mission: Provides frigates and other combatants with a fast-reaction, lightweight gun; counters aircraft, cruise missiles and surface ships. **Features:** an enclosed naval gun mount, single barrel, remote-controlled, rapid-fire capability.



5-inch/.54 Caliber Lightweight Gun

Primary mission: Fires at a rate of 16 to 20 rounds per minute; provides surface combatants with accurate naval gunfire against fast, highly maneuverable surface targets, air threats and shore targets.

e missile; conventionally armed for anti-
armed in land attack versions. **Dimensions:**
l: Conventional – 1,000 lb. *Bullpup* or conven-
effect bomblets. Nuclear – W-80 warhead.

Torpedoes

MK 46 Torpedo

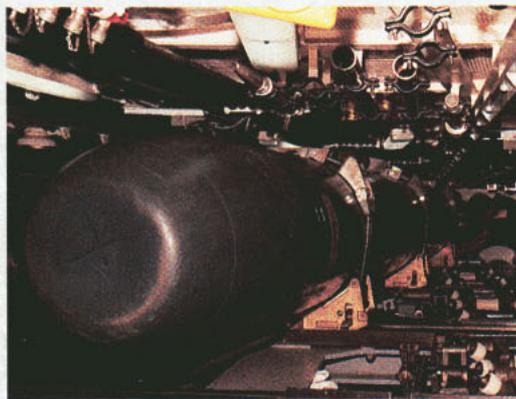
Primary mission: Launched from surface combatant torpedo tubes, ASROC missile and fixed and rotary wing aircraft. **Dimensions:** length – 8.5 ft.; diameter – 12.75 in., weight – 508 lbs. **Guidance:** 2 different modes – active or passive/active homing. **Payload:** 98 lbs. of PBXN-103 high explosive.

MK 48 and MK 48 Advanced Capability (AdCap) Torpedo

Primary mission: Subsurface to subsurface and subsurface to surface. **Dimensions:** length – 19 ft.; diameter – 21 in.; weight – 3,520 lbs., (MK 48 AdCap – 3,695 lbs.). **Range:** 23 miles; depth – more than 1,200 ft. **Guidance:** wire-guided active and/or passive homing. **Payload:** 650 lbs. high-explosive warhead.

MK 50 Torpedo

Primary mission: Surface and air to sub-surface. **Dimensions:** length – 9.5 ft.; diameter – 12.75 in.; weight – 800 lbs. **Guidance:** active/passive acoustic homing.



Mine Counter Measures:

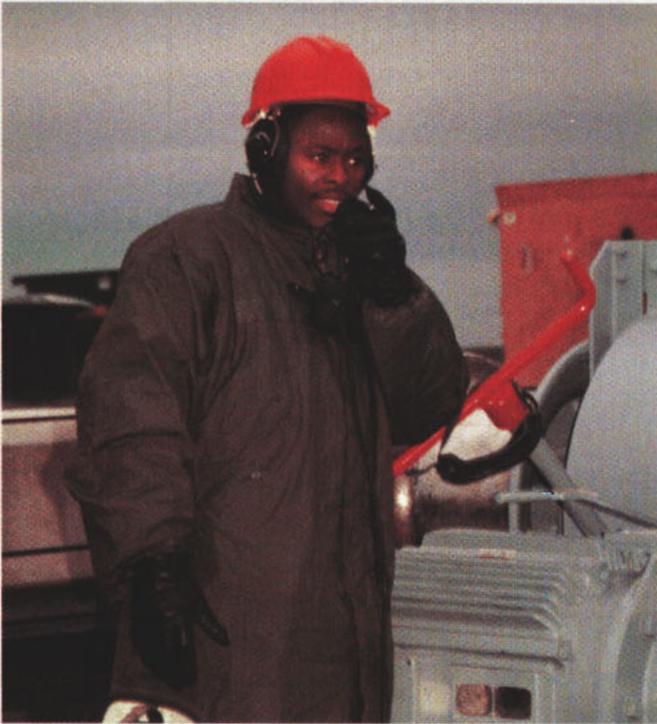
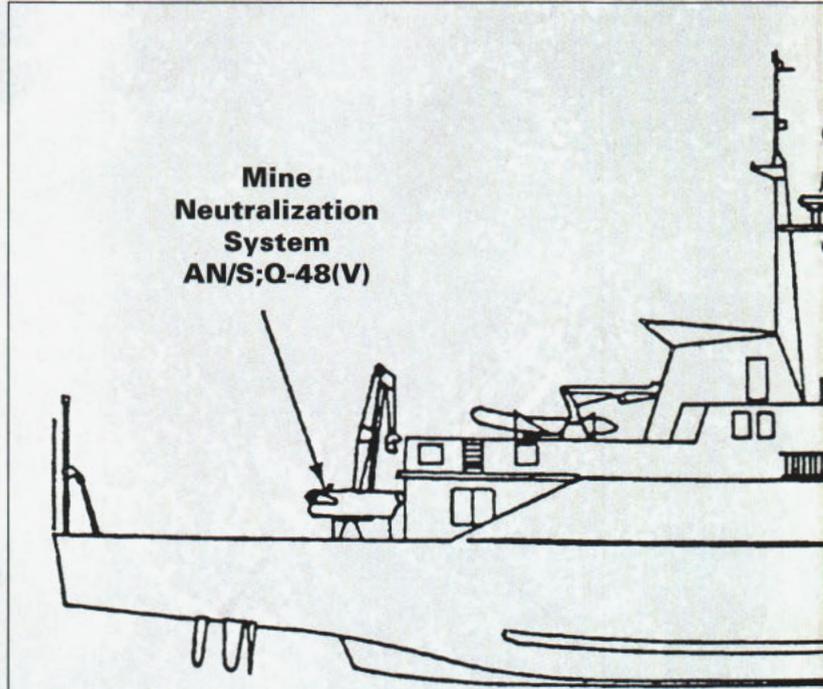


Photo by Francois Kieschnick

▲ SN Jackie Johnson, anchor brakeman, talks to the bridge. If there is an emergency underway, such as an electrical failure or loss of propulsion, he would release the anchor so the ship wouldn't drift.

► ET3 Michael Riforgiate, (left) phonetalker, and MNC(SW) Todd Knop, (right) officer of the deck, watch SN Ernest Mazurek, helmsman, conduct steering checks prior to getting underway. They ensure a proper engineering response from the Voith-Schneider propellers.



Mine Neutralization System AN/S;Q-48(V)

MHC OSPREY CLASS

Length: 57.3 Meters (18.8 Feet)
Hull: Glass Reinforced Plastic (GRP) Monocoque
Beam: 10.9 Meters (36 Feet)
Speed: 10 knots (Economical)
Draft: 2.8 Meters (9.5 Feet)

MAJOR

AN/SQQ-32: Advanced Minehunting Sonar
AN/SLQ-48: Mine Neutralization System
AN/SYQ-13: Command, Control and Precise Navigation



Photo by Francois Kieschnick

SPECIAL PULLOUT

ALL HANDS FY97 Monthly Basic Pay Chart

Cumulative Years of Service

Pay Grade	Under 2	Over 2	Over 3	Over 4	Over 6	Over 8	Over 10	Over 12	Over 14	Over 16	Over 18	Over 20	Over 22	Over 24	Over 26	
Enlisted Members																
E-9	As a senior enlisted advisor of a military service, E-9 basic pay is 4227.90.						2701.80	2762.40	2824.80	2889.90	2954.70	3011.70	3169.80	3293.40	3478.50	
E-8	0.00	0.00	0.00	0.00	0.00	2265.60	2330.70	2391.90	2454.00	2519.10	2576.40	2639.70	2794.80	2919.30	3106.50	
E-7	1581.90	1707.90	1770.60	1833.00	1895.40	1955.70	2018.40	2081.40	2175.30	2237.10	2298.90	2329.20	2485.50	2609.10	2794.80	
E-6	1360.80	1483.50	1545.00	1610.70	1671.30	1731.30	1794.90	1887.30	1946.70	2009.40	2040.00	2040.00	2040.00	2040.00	2040.00	
E-5	1194.30	1299.90	1362.90	1422.30	1515.90	1577.70	1639.80	1700.40	1731.30	1731.30	1731.30	1731.30	1731.30	1731.30	1731.30	
E-4	1113.60	1176.30	1245.60	1341.60	1394.70	1394.70	1394.70	1394.70	1394.70	1394.70	1394.70	1394.70	1394.70	1394.70	1394.70	
E-3	1049.70	1107.00	1151.10	1196.70	1196.70	1196.70	1196.70	1196.70	1196.70	1196.70	1196.70	1196.70	1196.70	1196.70	1196.70	
E-2	1010.10	1010.10	1010.10	1010.10	1010.10	1010.10	1010.10	1010.10	1010.10	1010.10	1010.10	1010.10	1010.10	1010.10	1010.10	
E-1	900.90	900.90	900.90	900.90	900.90	900.90	900.90	900.90	900.90	900.90	900.90	900.90	900.90	900.90	900.90	
E-1 <4	833.40															
Midn	558.04															
Warrant Officer																
W-4	2322.30	2491.80	2491.80	2548.50	2664.60	2781.90	2898.60	3101.40	3245.40	3359.40	3449.40	3560.70	3679.80	3794.40	3966.60	
W-3	2110.80	2289.60	2289.60	2319.30	2346.30	2517.90	2664.60	2751.60	2838.90	2923.80	3014.70	3132.30	3245.40	3245.40	3359.40	
W-2	1848.60	2000.10	2000.10	2058.30	2170.80	2289.60	2376.60	2463.60	2548.50	2638.20	2724.90	2810.40	2923.80	2923.80	2923.80	
W-1	1540.20	1765.80	1765.80	1913.40	2000.10	2085.90	2170.80	2260.20	2346.30	2433.60	2517.90	2608.20	2608.20	2608.20	2608.20	
Commissioned Officers																
O-10	7360.20	7619.10	7619.10	7619.10	7619.10	7911.60	7911.60	8349.90	8349.90	8947.20	8947.20	9546.30	9546.30	9546.30	10140.90	
O-9	6522.90	6693.90	6836.70	6836.70	6836.70	7010.40	7010.40	7302.00	7302.00	7911.60	7911.60	8349.90	8349.90	8349.90	8947.20	
O-8	5908.20	6085.50	6229.80	6229.80	6229.80	6693.90	6693.90	7010.40	7010.40	7302.00	7619.10	7911.60	8106.60	8106.60	8106.60	
O-7	4909.20	5243.10	5243.10	5243.10	5478.30	5478.30	5795.70	5795.70	6085.50	6693.90	7154.40	7154.40	7154.40	7154.40	7154.40	
O-6	3638.40	3997.50	4259.70	4259.70	4259.70	4259.70	4259.70	4259.70	4404.60	5100.90	5361.30	5478.30	5795.70	5991.60	6285.60	
O-5	2910.30	3417.00	3653.40	3653.40	3653.40	3653.40	3763.50	3966.60	4232.40	4549.20	4809.60	4955.70	5128.80	5128.80	5128.80	
O-4	2452.80	2987.10	3186.30	3186.30	3245.40	3388.50	3619.80	3823.20	3997.50	4173.30	4287.90	4287.90	4287.90	4287.90	4287.90	
O-3	2279.40	2548.50	2724.90	3014.70	3159.00	3272.10	3449.40	3619.80	3708.60	3708.60	3708.60	3708.60	3708.60	3708.60	3708.60	
O-2	1987.80	2170.80	2608.20	2695.80	2751.60	2751.60	2751.60	2751.60	2751.60	2751.60	2751.60	2751.60	2751.60	2751.60	2751.60	
O-1	1725.60	1796.10	2170.80	2170.80	2170.80	2170.80	2170.80	2170.80	2170.80	2170.80	2170.80	2170.80	2170.80	2170.80	2170.80	
Officers With More Than Four Years Active Duty as Enlisted or Warrant																
O-3E	0.00	0.00	0.00	3014.70	3159.00	3272.10	3449.40	3619.80	3763.50	3763.50	3763.50	3753.50	3763.50	3763.50	3763.50	
O-2E	0.00	0.00	0.00	2695.80	2751.60	2838.90	2987.10	3101.40	3186.30	3186.30	3186.30	3186.30	3186.30	3186.30	3186.30	
O-1E	0.00	0.00	0.00	2170.80	2319.30	2404.50	2491.80	2578.20	2695.80	2695.80	2695.80	2695.80	2695.80	2695.80	2695.80	

Proposed Basic Allowance for Quarters

	Dependents		
	Without Full	Partial	
E-9	500.40	18.60	659.70
E-8	459.30	15.30	608.10
E-7	392.40	12.00	564.60
E-6	355.20	9.90	521.70
E-5	327.60	8.70	469.20
E-4	285.00	8.10	408.00
E-3	279.60	7.80	379.80
E-2	227.10	7.20	361.50
E-1	202.50	6.90	361.50
W-4	609.30	25.20	687.30
W-3	512.10	20.70	629.70
W-2	454.80	15.90	579.30
W-1	380.70	13.80	501.00
O-10	824.70	50.70	1015.20
O-9	824.70	50.70	1015.20
O-8	824.70	50.70	1015.20
O-7	824.70	50.70	1015.20
O-6	756.60	39.60	914.10
O-5	728.70	33.00	881.10
O-4	675.30	26.70	776.70
O-3	541.20	22.20	642.60
O-2	429.30	17.70	548.70
O-1	361.50	13.20	490.50
O-3E	584.40	22.20	690.60
O-2E	496.80	17.70	623.10
O-1E	427.20	13.20	575.70

ORDER OF PRECEDENCE — U.S. NAVY



MEDAL OF HONOR



NAVY CROSS



DEFENSE
DISTINGUISHED
SERVICE MEDAL



DISTINGUISHED
SERVICE MEDAL



SILVER STAR



DEFENSE SUPERIOR
SERVICE MEDAL



LEGION OF MERIT



DISTINGUISHED FLYING
CROSS



NAVY AND MARINE
CORPS MEDAL



BRONZE STAR



PURPLE HEART



DEFENSE MERITORIOUS
SERVICE MEDAL



MERITORIOUS SERVICE
MEDAL



AIR MEDAL



JOINT SERVICE
COMMENDATION
MEDAL



NAVY/MARINE CORPS
COMMENDATION MEDAL



JOINT SERVICE
ACHIEVEMENT MEDAL



NAVY/MARINE CORPS
ACHIEVEMENT MEDAL



COMBAT ACTION
RIBBON



PRESIDENTIAL UNIT
CITATION



JOINT MERITORIOUS
UNIT AWARD



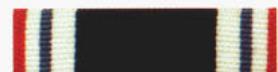
NAVY UNIT
COMMENDATION



MERITORIOUS UNIT
COMMENDATION



NAVY "E" RIBBON



POW MEDAL



GOOD CONDUCT
MEDAL



NAVAL RESERVE
MERITORIOUS SERVICE
MEDAL



FLEET MARINE FORCE
RIBBON



NAVY EXPEDITIONARY
MEDAL



CHINA SERVICE MEDAL



NAVY OCCUPATION
SERVICE MEDAL



NATIONAL DEFENSE
SERVICE MEDAL



KOREAN SERVICE MEDAL



ANTARCTICA SERVICE
MEDAL



ARMED FORCES
EXPEDITIONARY MEDAL



VIETNAM SERVICE
MEDAL



SOUTHWEST ASIA
SERVICE MEDAL



HUMANITARIAN
SERVICE MEDAL



MILITARY OUTSTANDING
VOLUNTEER SERVICE
MEDAL



SEA SERVICE
DEPLOYMENT RIBBON



NAVY ARCTIC SERVICE
RIBBON



NAVAL RESERVE SEA
SERVICE RIBBON



**NAVY AND MARINE
CORPS OVERSEAS
SERVICE RIBBON**



**NAVY RECRUITING SERVICE
RIBBON**



**ARMED FORCES RESERVE
MEDAL**



NAVAL RESERVE MEDAL



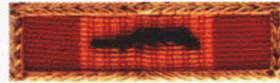
**PHILIPPINE
PRESIDENTIAL UNIT
CITATION**



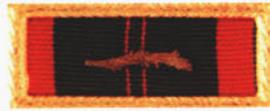
**REPUBLIC OF KOREA
PRESIDENTIAL UNIT
CITATION**



**REPUBLIC OF VIETNAM
PRESIDENTIAL UNIT
CITATION**



**REPUBLIC OF VIETNAM
GALLANTRY CROSS
UNIT CITATION**



**REPUBLIC OF VIETNAM
CIVIL ACTIONS UNIT
CITATION**



**UNITED NATIONS
SERVICE MEDAL**



**UNITED NATIONS
MEDAL**



**MULTINATIONAL FORCE
AND OBSERVERS MEDAL**



**INTER-AMERICAN
DEFENSE BOARD MEDAL**



**REPUBLIC OF VIETNAM
CAMPAIGN MEDAL**



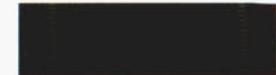
**KUWAIT LIBERATION MEDAL
(Kingdom of Saudi Arabia)**



**KUWAIT LIBERATION MEDAL
(KUWAIT)**



**EXPERT RIFLEMAN
MEDAL**



**EXPERT PISTOL SHOT
MEDAL**

DEVICES



GOLD STAR

Denotes each subsequent award of the same Navy decoration.



SILVER STAR

Worn in the same manner as the gold star, in lieu of five gold stars.



BRONZE SERVICE STAR

The bronze five-pointed service star represents participation in campaigns or operations, multiple qualification or an additional award to any of the various ribbons on which it is authorized. Also worn to denote first award of the single mission air medal after Nov. 22, 1989.



SILVER SERVICE STAR

Worn in the same manner as the bronze star, but each silver star is worn in lieu of five bronze service stars.



BRONZE OAK LEAF CLUSTER

The bronze oak leaf cluster represents second and subsequent entitlements of awards.



SILVER OAK LEAF CLUSTER

A silver oak leaf cluster is worn for the sixth, 11th, or in lieu of five bronze oak leaf clusters.



WINTERED OVER

For wintering over on the Antarctic continent, a clasp for Antarctica Service Medal, suspension ribbon and a disc for the service ribbon of bronze for first winter, gold for second winter, silver for third winter.



"V" DEVICE

The metallic bronze letter "V" is authorized for acts or service involving direct participation in combat operations.



HOURLASS

Issued for each succeeding award of the Armed Forces Reserve Medal.



EUROPE AND ASIA CLASPS

Worn on the suspension ribbon of the Navy Occupation Service Medal.



STRIKE/FLIGHT DEVICE

Bronze arabic numeral denotes the total number of strike/flight awards of the Air Medal earned subsequent to April 9, 1962.



FLEET MARINE FORCE COMBAT OPERATIONS INSIGNIA

For Navy personnel attached to fleet Marine force units participating in combat operations.

"M" device not available at press time.

The above display represents the correct order of precedence for ribbons most likely to be worn today on the Navy uniform. Devices worn on these ribbons must be worn in a specific manner and are used to denote additional awards or participation in a specific event. For additional information about the proper order of display, placement of devices or about ribbons not shown, refer to SECNAVINST 1650.1F and U.S. Navy Uniform Regulation (NAVPERS 1566.5G).

Monthly Career Sea Pay Chart

Pay Grade	1 or less	Over 1	Over 2	Over 3	Over 4	Over 5	Over 6	Over 7	Over 8	Over 9	Over 10	Over 11	Over 12	Over 13	Over 14	Over 16	Over 18	Over 20
Enlisted Members																		
E-9	100.00	100.00	120.00	175.00	190.00	350.00	350.00	375.00	390.00	400.00	400.00	410.00	420.00	450.00	475.00	520.00		
E-8	100.00	100.00	120.00	175.00	190.00	350.00	350.00	375.00	390.00	400.00	400.00	410.00	420.00	450.00	475.00	500.00	520.00	
E-7	100.00	100.00	120.00	175.00	190.00	350.00	350.00	375.00	390.00	400.00	400.00	410.00	420.00	450.00	475.00	500.00		
E-6	100.00	100.00	120.00	150.00	170.00	316.00	325.00	350.00	350.00	365.00	365.00	365.00	380.00	395.00	410.00	425.00	450.00	
E-5	50.00	60.00	120.00	150.00	170.00	316.00	325.00	350.00										
E-4	50.00	60.00	120.00	150.00	160.00													
Warrant Officers																		
W-5	150.00	150.00	150.00	150.00	170.00	290.00	310.00	310.00	310.00	310.00	350.00	375.00	400.00	400.00	450.00	450.00	500.00	
W-4	150.00	150.00	150.00	150.00	170.00	290.00	310.00	310.00	310.00	310.00	350.00	375.00	400.00	400.00	450.00	450.00	500.00	
W-3	150.00	150.00	150.00	150.00	170.00	270.00	280.00	285.00	290.00	310.00	350.00	375.00	400.00	400.00	425.00	450.00	450.00	
W-2	150.00	150.00	150.00	150.00	170.00	260.00	265.00	265.00	270.00	310.00	340.00	340.00	375.00	375.00	400.00			
W-1	130.00	135.00	140.00	150.00	170.00	175.00	200.00	250.00	270.00	300.00	325.00	325.00	340.00	340.00	360.00	375.00		
Commissioned Officers																		
O-6				225.00	230.00	230.00	240.00	255.00	265.00	280.00	290.00	300.00	310.00	310.00	325.00	240.00	265.00	380.00
O-5				225.00	225.00	225.00	230.00	230.00	245.00	250.00	260.00	265.00	265.00	265.00	285.00	300.00	215.00	340.00
O-4				185.00	190.00	200.00	205.00	215.00	220.00	220.00	225.00	225.00	240.00	240.00	270.00	280.00	290.00	300.00
O-3				150.00	160.00	185.00	190.00	195.00	205.00	215.00	225.00	225.00	240.00	240.00	260.00	270.00	280.00	290.00
O-2				150.00	160.00	185.00	190.00	195.00	205.00	215.00	225.00	225.00	240.00	240.00	250.00	260.00	270.00	280.00
O-1				150.00	160.00	185.00	190.00	195.00	205.00	215.00	225.00	225.00	240.00	240.00	250.00	260.00	270.00	280.00

Source: Defense Finance and Accounting Service

Monthly Submarine Pay Chart

Pay Grade	2 or less	Over 2	Over 3	Over 4	Over 6	Over 8	Over 10	Over 12	Over 14	Over 16	Over 18	Over 20	Over 22	Over 24	Over 26
Enlisted Members															
E-9	225.00	225.00	225.00	270.00	295.00	310.00	315.00	330.00	345.00	355.00	355.00	355.00	355.00	355.00	355.00
E-8	225.00	225.00	225.00	250.00	270.00	295.00	310.00	315.00	330.00	330.00	345.00	345.00	345.00	345.00	345.00
E-7	225.00	225.00	225.00	250.00	255.00	265.00	275.00	295.00	310.00						
E-6	155.00	170.00	175.00	215.00	230.00	245.00	255.00								
E-5	140.00	155.00	155.00	175.00	190.00	195.00									
E-4	80.00	95.00	100.00	170.00	175.00										
E-3	80.00	90.00	95.00	95.00	140.00	90.00									
E-2	75.00	90.00													
E-1	75.00														
Warrant Officers															
W-1 to W-5	235.00	310.00	310.00	355.00	355.00	355.00	355.00	355.00	355.00	355.00	355.00	355.00	355.00	355.00	355.00
Commissioned Officers															
O8 to O-10	355.00	355.00	355.00	355.00	355.00	355.00	355.00	355.00	355.00	355.00	355.00	355.00	355.00	355.00	355.00
O-7	355.00	355.00	355.00	355.00	355.00	355.00	355.00	355.00	355.00	540.00	535.00	535.00	410.00	410.00	355.00
O-6	595.00	595.00	595.00	595.00	595.00	595.00	595.00	595.00	595.00	595.00	595.00	595.00	595.00	595.00	595.00
O-5	595.00	595.00	595.00	595.00	595.00	595.00	595.00	595.00	595.00	595.00	595.00	595.00	595.00	595.00	595.00
O-4	365.00	365.00	365.00	405.00	595.00										
O-3	355.00	365.00	365.00	390.00	595.00										
O-2	235.00	235.00	235.00	235.00	235.00	235.00	355.00								
O-1	175.00	175.00	175.00	175.00	175.00	175.00	355.00								

Source: Defense Finance and Accounting Service

Aviation Career Incentive Pay

Phase I		Phase II	
Years of Aviation Service	Monthly Amount	Years of Service as an Officer	Monthly Amount
2 or less	\$125	Over 18	\$585
Over 2	\$156	Over 20	\$495
Over 3	\$188	Over 22	\$385
Over 4	\$206	Over 25	\$250
Over 6	\$650		

Hazardous Duty Incentive Pay

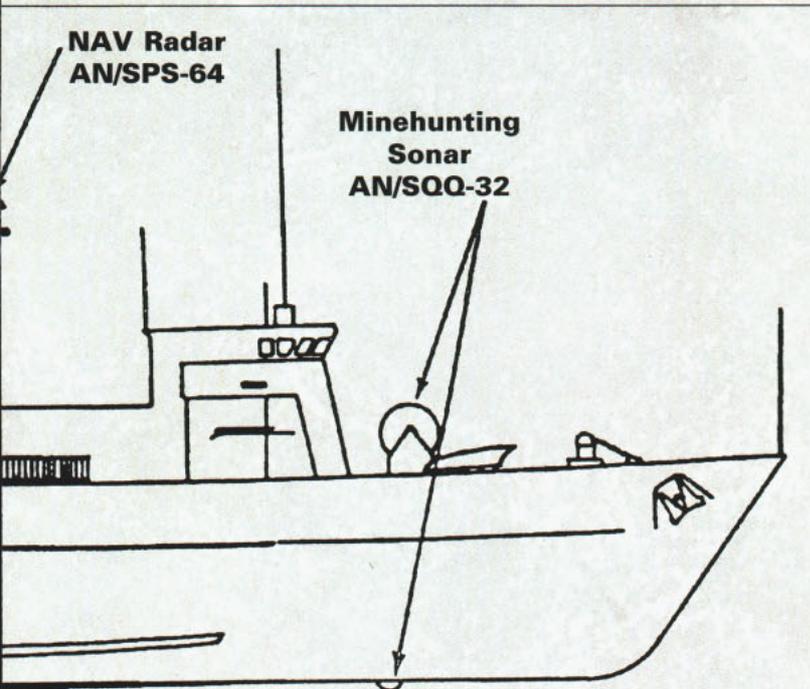
E-7 to E-9	\$200	W-1	\$125
E-6	\$175	O-7 to O-10	\$110
E-5	\$150	O-5 to O-6	\$250
E-4	\$125	O-4	\$225
E-1 to E-3	\$110	O-3	\$175
W-4 to W-5	\$250	O-2	\$150
W-3	\$175	O-1	\$125
W-2	\$150		

Proposed 1997 Basic Allowance for Subsistence

Enlisted	E-1 < Four Months	All Others
Rations in kind not available	\$ 7.65 per day	\$ 8.30 per day
On leave or authorized to mess separately	\$ 6.79 per day	\$ 7.36 per day
Emergency conditions/no govt. mess avail.	\$10.16 per day	\$10.99 per day
Officers (Includes commissioned, warrants and aviation cadets)	\$154.16 per month	

ALL HANDS SPECIAL PULLOUT

Making the waters safe



CHARACTERISTICS

Propulsion: Twin Voith-Schneider Propulsors, Diesel Driven

Displacement: 855 long tons (900 tons)

Degaussing: Automatic

Noise Quieting: Acoustic shielding and cradling for engines and major machinery.

SYSTEMS

AN/BQH-(A): Environmental Measurement



Photo by Francois Kieschnick

▲ OS2 Douglas McGlothen (front) and OS3 Erik Randall enter the ship's course into NAVC2, a state-of-the-art navigational system in operations. They assist the bridge team in maintaining proper course while transiting in and out of port. The NAVC2 is unique to MHCs and allows for precise maneuvering in minefields. Watchstanders then compensate for wind and current.



Photo by Francois Kieschnick

◀ STG1(SW) Chester Lamb, of Mason City, Neb., and STG2(SW) William T. Andrzejewski, a Toledo, Ohio, native, perform monthly maintenance on the mine neutralization vehicle. The two Sailors are assigned to Mine Countermeasures Rotational Crew Bravo, onboard USS *Champion* (MCM 4).



Sailors make a difference

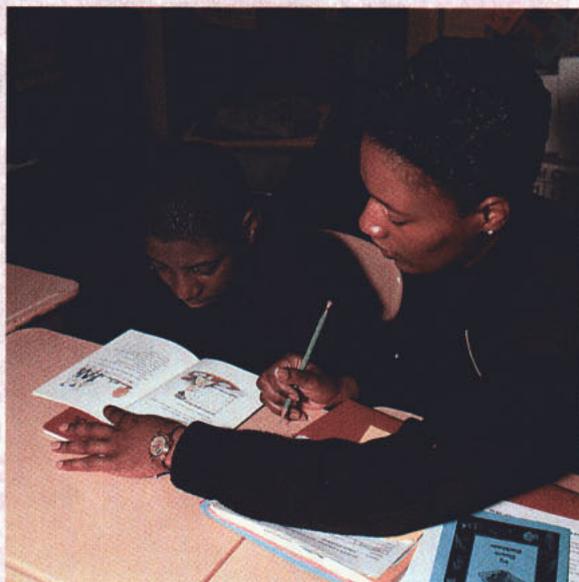
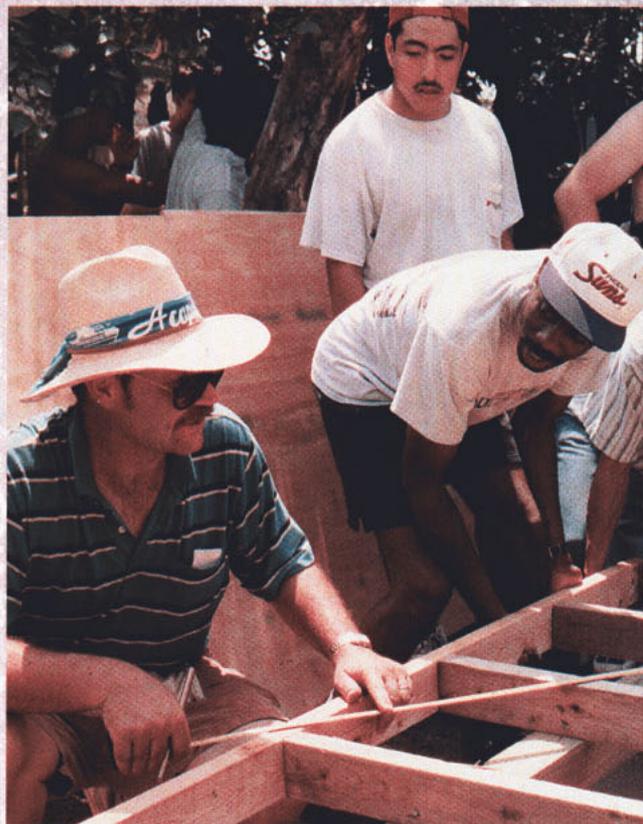


Photo by PH3 Sam Dallal

Washington, D.C. – CTM2 Tamatha P. Dowdy, an Ashboro, N.C., native, helps Simon Beckham of Washington, D.C., with his reading skills.



Every day, Sailors around the world volunteer their time and energy to help make a difference in both their local communities and the communities they visit.

Here are just a few of the many projects that went on worldwide in 1996:

Tucson, Ariz. – Staff and reservists from Navy and Marine Corps Reserve Center Tucson participated in Wheeler Elementary School's annual Health and Safety Fair last spring. As in past years, Navy and Marine Corps volunteers helped organize and support their partnership school's fair with instructions from subject-matter experts on nutrition, home, rifle, environment and the importance of a drug-free society.

Everett, Wash. – Volunteers from NAVSTA Everett and other local area commands collected 37 bags of garbage along a two-mile stretch of Interstate 5 last fall. Twenty-four volunteers from the base also donned gardening gloves to plant annual

flowers during the city's "Plant the City Beautiful Project" during the summer.

Jacksonville, Fla. – NAS Jacksonville hosted a dedication ceremony opening Patriots' Grove, where 79 historic trees were planted to memorialize Navy Medal of Honor winners. Four Navy Medal of Honor heroes were on hand for the tree planting. Patriots' Grove will be used for retirement ceremonies, reenlistments, changes of command and as a site for school field trips to teach children about American and naval history.

Paxtuxent, Md. – NAS Patuxent River served as host site for this year's Project Graduation, a year-long

alcohol awareness education program sponsored by St. Mary's County State's Attorney's Office. The program concludes with a series of alcohol-free parties for graduating seniors, who must sign a sobriety contract to be able to participate. Activities included swimming, volleyball, bowling, skating, dancing and Velcro jumping.

United Arab Emirates – Twenty-three USS *Vicksburg* (CG 69) Sailors distributed *Project Handclasp* supplies to Sharjah City, a school for 300 medically-challenged children in United Arab Emirates. The Sailors also made safety-related repairs to the gymnasium. In another port visit, the crew also handed out materials to the Dubai Handicapped Club and played soccer, volleyball and board games with the residents.

Manila, Philippines – Volunteers from USS *Mahlon S. Tisdale* (FFG 27) and *Germantown* (LSD 42)

around the globe every day



Photo by PHAN John Collins

Acapulco, Mexico — Hundreds of USS *Kitty Hawk* Sailors gave up a day on the beach to build houses, renovate an orphanage and deliver *Project Handclasp* materials to families in Acapulco, Mexico, in October. The carrier spent four days in the Central American port.

Association last Veteran's Day, pledging to provide maintenance and upkeep to USS *Bowfin* (SS 287) and exhibits at Bowfin Park.

Bataan, Philippines — Sailors from USS *Curtis* (FFG 38) distributed *Project Handclasp* materials to Barangay Pastolan, Bataan, Philippines, and repaired a windmill water pump at an elementary school during a port visit last winter this summer.

Norfolk — Surface Warfare Development Group, Norfolk, participated in Bayside Elementary School's annual Fun Fair Carnival. Volunteers helped set up and run game booths and attractions, including a basket auction. The group is an educational partner of Bayside Elementary, and provides individual tutoring to students in math, reading, English and social studies and conducts a "Pal Program" for special needs children. Volunteers also participate in facilitating the "Standing Tall" character education program.

Mexico — Crew members of USS *Constellation* (CV 64) hosted a reception for 300 Mexican and American guests at a ceremony this winter to turn over 115 pallets of medical supplies to the Mexican Red Cross. In 1995, 13 U.S. Navy ships delivered 82 tons of humanitarian

presented *Project Humanitarian* medical and hygienic supplies to the "Offering of the Heart" Youth Foundation and the Dr. Jose Reyes Memorial Medical Center last summer during a port visit to Manila. Crew members also delivered boxes of paper and crayons to a local orphanage, where they painted, repaired lighting and installed screens.

Chesapeake, Va. — Fleet Surveillance Support Command, Chesapeake completed a successful school year with its partner in education, Moyock Elementary School. Volunteers helped strengthen the children's skills in language arts, math, science and computer science. Command volunteers also participated in Clean-the-Bay Day and Adopt-A-Spot programs

Pearl Harbor — Naval Intermediate Maintenance Facility Pearl Harbor signed a partnership agreement with Pacific Fleet Submarine Memorial

material to sWestern Mexico, more than 70 tons to Mazatlan.

Bulgaria — Volunteers from USS *Arthur W. Radford* (DD 968) and Destroyer Squadron 26 delivered *Project Handclasp* material to the Bulgarian Red Cross in Varna, Bulgaria, during a port visit last April. Crew members also painted a classroom and delivered textbooks to the Sunshine School.

In a visit to Odessa, Ukraine, the crew delivered needed supplies to the Little Sun Orphanage for physically and mentally disabled children and Gymnasia School for gifted middle school students. †

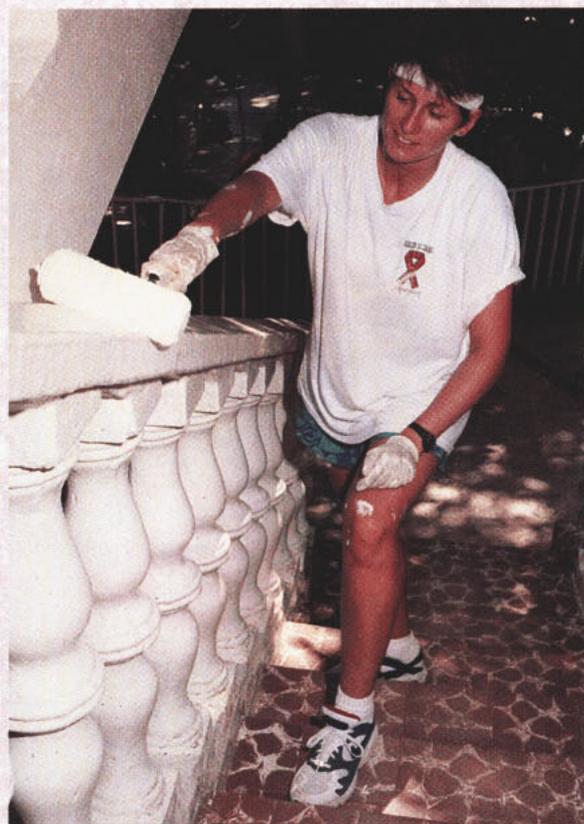


Photo by PHAN John Collins

Acapulco, Mexico — HMCS Jackie Diroso paints a bannister during a recent renovation project at a Salvation Army orphanage in Acapulco, Mexico.



What you need to know

Rapidly rising health-care costs and the closure of military bases, along with their hospitals, require that the military look for new ways to provide our health-care benefits. TRICARE is DOD's response to these challenges.

TRICARE is the medical program for active duty members; qualified family members; non-Medicare eligible retirees and their family members; and survivors of all uniformed services. It is designed to expand access to care, assure high quality care, control health-care costs for patients and taxpayers alike and improve medical readiness.

TRICARE is a "managed-care" health care program managed by the military in collaboration with civilian contractors. There are 12 regions, as well as TRICARE Europe and TRICARE Pacific. A military lead agent is responsible for overseeing their region.

TRICARE began in March 1995 in Oregon and Washington and is now being implemented by region. It is expected to be implemented throughout the United States by the end of 1997.

There are three different TRICARE plans from which you can choose: Prime, Extra and Standard, formerly known as CHAMPUS. Each plan has different cost shares and degrees of freedom for choosing your health-care providers. Enrollment is only required for TRICARE Prime. There are no enrollment fees for active-duty families.

Here are some of the frequently asked questions concerning TRICARE:

Why is DOD changing the military health care delivery system?

A few years ago, while having to appropriate more and more money to cover escalating CHAMPUS (Civilian Health and Medical Program of the Uniformed Services) costs, Congress asked DOD to develop a high-quality standard health delivery system that reduced costs to the government and out-of-pocket costs to military health care beneficiaries.

How do the TRICARE health plans work?

TRICARE Prime is similar to a civilian health maintenance organization (HMO), which serves as a central source for all your health needs. Your care will be provided by either a military treatment facility (MTF) or a civilian medical provider, and will be guided by a Primary Care Manager (PCM) — a qualified health care provider or group of providers who supervise your care.

Participation in **TRICARE Extra** does not require enrollment. Individuals retain their freedom to choose any authorized provider. However, if a network provider is used, this option offers a 5% discount from the TRICARE Standard cost shares. There is an annual deductible which must be met before cost sharing begins.

TRICARE Standard is a new name for the traditional Standard CHAMPUS. In this option, individuals pay current CHAMPUS deductibles and cost shares and abide by current CHAMPUS rules.

Who is eligible to join TRICARE Prime?

At this time, only active-duty personnel and CHAMPUS-eligible beneficiaries may take advantage of TRICARE Prime. Medicare-eligible beneficiaries will be offered enrollment should Congress permit the Medicare system to reimburse DOD for the care delivered to them.

I'm an active-duty member. Do I have to visit the TRICARE Service Center to join TRICARE?

No. All active-duty service members will be enrolled in Prime and will continue to receive most of their care from military medical personnel. Enrollment in TRICARE Prime is optional for your family members.

Your healthcare options

I'm not on active duty. What do I have to do to take advantage of the TRICARE program?

When TRICARE is offered at your location, just contact your local TRICARE Service Center staff. They will be happy to assist you with the enrollment process, provide you with a list of physicians in the TRICARE network and explain all aspects of the program to you.

I'm a geographic bachelor and my CHAMPUS - eligible family members don't live near a military installation. Can they join TRICARE Prime?

Yes. TRICARE Prime is offered in many locations, not just at military installations. If it is available in their area, they may enroll there.

If I decide my family should use TRICARE Extra or Standard, can I still join Prime?

Yes! An entire family does not have to belong to the same health-care plan. We understand that each family member has different medical needs and life circumstances. Therefore, you decide which plan is right for each family member.

What if I choose not to participate in TRICARE Prime?

You will retain your eligibility for care in military medical treatment facilities (MTFs) on a space-available basis. It will be more difficult to obtain space-available appointments at the MTFs since PRIME

enrollees have priority over non-enrollees. You may still use the TRICARE Service Centers for assistance and referral to the TRICARE network.

If I join TRICARE Prime, what changes can I expect to see?

You will select or be assigned a Primary Care Manager (PCM) when you join. The PCM is a health-care provider who treats most ailments. Every time you need non-emergency medical care, you must contact your PCM.

TRICARE Prime patients say appointments are much easier to get using this system – most receive an appointment within 48 hours. Assistance is available through your local TRICARE Service Center, and there is also a 24-hour toll-free number.(see page 33)

Who can be a Primary Care Manager?

A PCM could be a physician in General or Family Practice, Internal Medicine, Pediatrics or OB/GYN. Nurse Practitioners and Physician Assistants may also be part of the Primary Care Team. Sometimes providers work in groups, and the entire group practice can be designated as your PCM. Your PCM can be either military or civilian. Active-duty members will be assigned to a provider in a military facility whenever possible.

I've always relied on military providers. I'm not sure that I want to see a civilian PCM.

Don't worry. You may not have to see a civilian

What will TRICARE cost?

	TRICARE Prime E1 thru E4	TRICARE Prime E5 and above	TRICARE Extra	TRICARE Standard
Annual deductible	\$0	\$0	\$150 individual \$300 family \$50/\$100 for E-4 and below	
Civilian outpatient visit	\$6	\$12	15% of negotiated fee	20% of allowable charge
Civilian inpatient admission	\$11 per day (\$25 minimum)	\$11 per day (\$25 minimum)	Greater of \$25 or \$9.90 per day	Greater of \$25 or \$9.90 per day
Civilian inpatient mental health	\$20 per day	\$20 per day	\$20 per day	\$20 per day

PCM. Many Prime enrollees will have military PCMs. However, civilian PCMs participating in TRICARE must meet high standards for consistently delivering high quality care.

If I select a civilian PCM, can I still use a military MTF?

Yes, if your PCM refers you there. Of course, no referrals are necessary to use the MTF's Emergency Room in case of life-threatening situations or the pharmacy.

What if I need specialty care (dermatology, surgery, etc.) or diagnostic tests (lab work, X-rays, etc.) that my PCM can't perform?

After you join TRICARE Prime, you must always seek non-emergency care initially from your PCM, who will be thoroughly familiar with TRICARE Prime's military and civilian network of specialists and diagnostic facilities. This allows the PCM to arrange for you to see the appropriate specialist.

What happens in the event of an emergency?

Life- or limb-threatening emergencies do not require prior approval from your PCM. Be sure to contact your TRICARE Service Center personnel as soon as possible to advise them of the situation.

What happens if my family is away from home and someone gets sick?

As a TRICARE Prime member, you will be covered nationwide for urgent health care needs. You must contact your TRICARE Service Center before seeking care outside your established TRICARE network to minimize your out-of-pocket expenses. Once you receive approval, you still pay the same cost shares

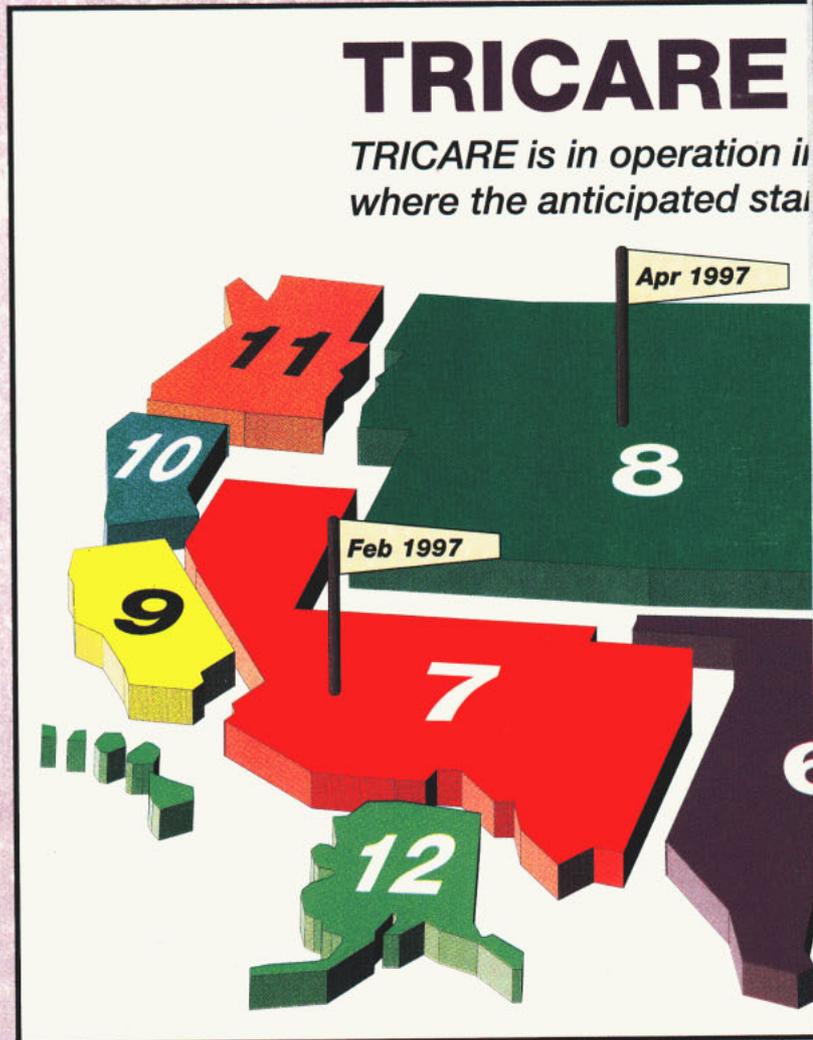
you would at home.

Will I have to pay for TRICARE? If so, how much?

Certain aspects of TRICARE do require cost shares. They vary by plan and beneficiary status. Active-duty members will continue to receive free health care through TRICARE Prime. There are no enrollment fees for active-duty family members.

When will TRICARE become available in my area?

TRICARE becomes available on different dates for different regions. Implementing TRICARE gradually ensures a smooth transition for you and your family. Enrollment in TRICARE Prime begins 60 days prior to



the date TRICARE becomes available in your region. (Refer to map below)

Once I enroll in TRICARE Prime, can I use care providers who are not part of the TRICARE network?

Yes. You are encouraged to always seek care first through your PCM and the TRICARE network of providers. These providers meet strict government quality standards and will not bill enrollees for excess charges. If you still feel compelled to seek care outside the network, you may do so under a Point-of-Service (POS) option. This option requires higher out-of-pocket expenses. The POS cost share is 50 percent of allowed charges, and you are responsible for all unreimbursed charges from the provider (balance billing), up to 15%

over the allowable. Deductibles are also higher under POS, compared to TRICARE Standard.

What if TRICARE Prime isn't right for me?

Enrollment in TRICARE Prime is completely optional for non-active-duty personnel. You still have two other plans for obtaining health care. First, you can stay with the familiar CHAMPUS program, now known as TRICARE Standard. Under TRICARE Standard, you can use the authorized provider of your choice, but continue to pay the CHAMPUS deductibles and cost shares.

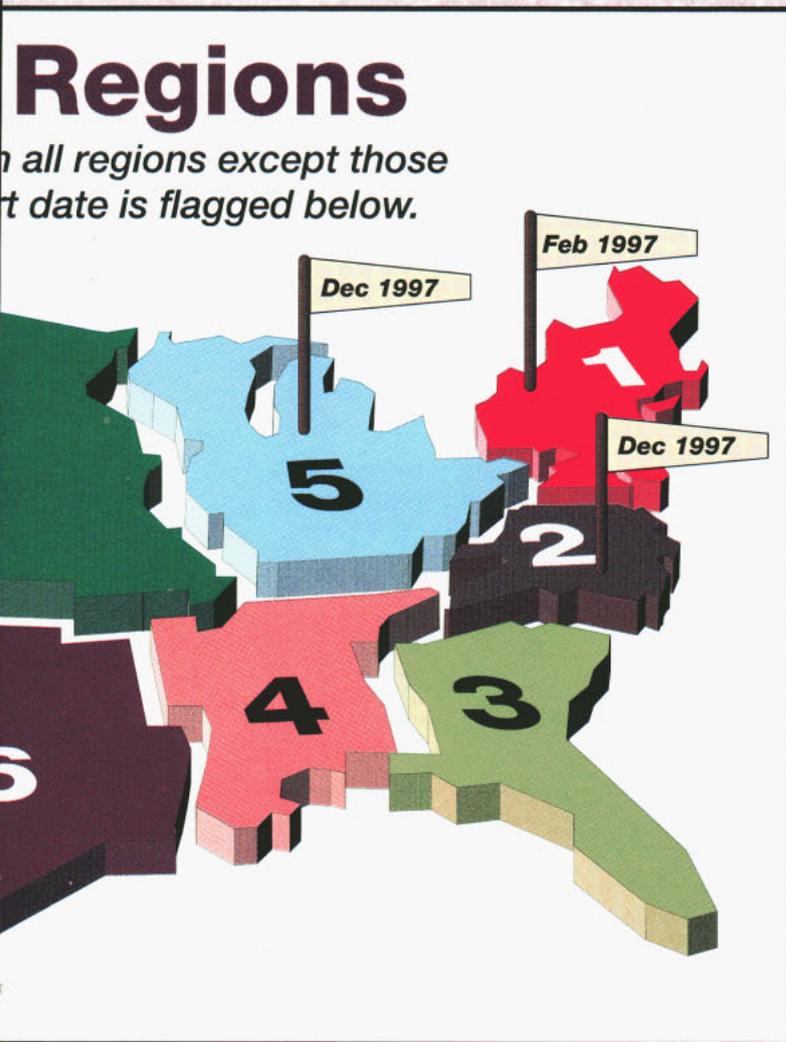
You can also save money under the TRICARE Extra plan. Using TRICARE network providers will entitle you to a 5 percent discount off your cost shares, although there is a deductible to meet before TRICARE will begin cost sharing the bills. That means family members of active duty will only pay a 15 percent cost share. Neither TRICARE Extra nor TRICARE Standard requires enrollment or enrollment fees.

Who can I go to for more information?

TRICARE Service Centers are locations to get information about military health care and TRICARE. These centers are staffed with TRICARE service representatives who can assist you.

Region 2	1-800-990-9272
Regions 3 & 4	1-800-444-5445
Region 6	1-800-406-2832
Regions 9, 10 & 12	1-800-242-6788
Region 11	1-800-982-0032

The military health care benefit for retirees and their families is different than active duty members and their families. If you are retiring within the next year, contact your local TRICARE Service Center or Health Benefits Advisor at your nearest MTF for information. †



“You gotta have friends ...”

In addition to your chain of command, there are many organizations that provide support to Sailors and their families. These groups go an extra mile to enhance the well-being of those people who have served and continue to serve in the sea services of our nation.

The next time you see the folks from these organizations, say, “Thanks, Shipmate!” And while you’re at it, make sure you tell other organizations in your area that help the Navy, “Thanks!” †

American Legion

1608 K St., N.W.
Washington, DC 20735
(202) 861-2730

American Veterans

4647 Forbes Blvd.
Lanham, MD 20706-9600
(301) 459-9600

Armed Services YMCA

6225 Brandon Ave., Suite 215
Springfield, VA 22150-2510
(703) 866-1260

Association of Naval Aviation

5205 Leesburg Pike, Suite 200
Falls Church, VA 22041
(703) 998-7733

Association of Naval Services Officers

P.O. Box 23552
Washington, DC 20026
(703) 696-4861

Bluejackets Association

6111 Mountain Springs Lane
Clifton, VA 22024-2339
(703) 830-4962

Fleet Reserve Association

125 N. West St.
Alexandria, VA 22314-2734
(703) 683-1400

National Naval Officers Association

CDR Ron Keys
Office of the CNO (N00E), Rm.4B455
Washington, D.C. 20350-2000
(703) 697-8554

Naval Enlisted Reserve Association

6703 Farragut
Falls Church, VA 22042
(703) 534-1329

Naval Order of the United States

4833 Willet Dr.
Annandale, VA 22003-3952
(703) 323-1673 (CAPT Jim Brooke III)
jimbrooke@AOL.COM

Naval Reserve Association

1619 King St.
Alexandria, VA 22314
(703) 548-5800

Naval Submarine League

P.O. Box 1146
Annandale, VA 22003
(703) 256-0891

Navy Club of the USA

37 Park Ave.
Lockport, NY 14094-1306
(716) 433-3357

Navy League of the United States

2300 Wilson Blvd.
Arlington, VA 22201-3308
(703) 528-1775

Navy Memorial Foundation

701 Pennsylvania Ave., N.W., Suite 123
Washington, DC 20004-2608
(202) 737-2300
<http://www.lonesailor.org>

Navy Mutual Aid Association

Henderson Hall
29 Carpenter Rd.
Arlington, VA 22212
(703) 614-1638 or 1-800-628-6011
<http://www.navymutual.org>
E-mail: counselor@navymutual.org

Navy-Marine Corps Relief Society

801 N. Randolph St., Suite 1228
Arlington, VA 22203-1978
(703) 696-4904

Navy Wives Clubs of America

Diana Bower
11538 Broad Leaf Dr.
Jacksonville, FL 32225
(904) 645-5845

Non Commissioned Officer Assoc.

225 N. Washington St.
Alexandria, VA 22314
(703) 549-0311

Reserve Officers Association of the United States

One Constitution Ave., N.E.
Washington, DC 20002-5624
(202) 479-2200

The Retired Officers Association

201 N. Washington St.
Alexandria, VA 22314
(703) 549-2311

Surface Navy Association

7205 Burtonwood Drive
Alexandria, VA 22307
(703) 765-7447

USO World Headquarters

Washington Navy Yard, Bldg. 198
901 M St., S.E.
Washington, DC 20374-5096
(202) 610-5700

Women Officers Professional Association

8550 Woodlawn Manor Dr.
Laurel, MD 20724
(703) 433-6642

Veterans of Foreign Wars of the United States

200 Maryland Ave., N.E.
Washington, D.C. 20002
(202) 543-2239

Blues Card: Help is only a question away!

Who do you turn to when you're feeling blue or overwhelmed? Recruit Training Command recently instituted the "Navy Blues Card" program -- a resource for new recruits who may need assistance, but don't know who to turn to.

New recruits aren't the only Sailors who may need help. We've put together a guide of people you can call when you're feeling "blue." Feel free to cut it out and

pass it on. We do care about you, and want you to seek help when you're experiencing difficulties. Talk with the people listed below, and you'll be better equipped to face the situation.

The toll-free phone numbers at the bottom of the page are just a few of the resources available to you and your family to answer questions or help you through difficult times.‡

<p>In the Dumps? Help is only a question away!</p> <p>People you can turn to: Your Chaplain Your Shipmates Your LPO Your Chief Your Division Officer Your CO Your Family</p> <p>Remember: We do care about you!</p>	<p>Do you feel depressed?</p> <ul style="list-style-type: none">• Talk to your family• Talk to your shipmates• Ask to see your Chaplain <p>Are you thinking of hurting yourself?</p> <ul style="list-style-type: none">• Talk to your family• Talk to your shipmates• Ask to see your Chaplain <p>Do you feel harassed?</p> <ul style="list-style-type: none">• Report harassment through your chain of command. You will be taken seriously!• Call the Navy's toll-free Equal Opportunity/Sexual Harassment Advice Line 1-800-253-0931.
---	--

CUT HERE

**Substance Abuse Hotline
1-800-821-HELP**

**Navy Family Service
Center Line
1-800-372-5463**

**Casualty Assistance
1-800-368-3202**

**Victim Assistance
1-888-227-3832**

**Exceptional Family
Member Program
1-800-527-8830**

**Family Violence Hotline
1-800-222-2000**

**Child Abuse Hotline
1-800-4-A-CHILD**

**Center for Disease Control
AIDS Information Hotline
1-800-342-AIDS**

Ensuring Leadership Continues



Officer or enlisted, when was the last time you received leadership training? Most of us received our leadership training on-the job. Though there is no substitute for the leadership lessons of experience, senior naval officers and senior enlisted have come to recognize the value of formal leadership training.

From this realization sprang the concept of the Leadership Continuum (LC) to provide consistent, periodic leadership training at all levels. As of this month, LC courses have replaced all the old Navy Leadership Development Program (NAVLEAD) courses. CNET, in coordination with BUPERS, resource sponsors, fleet CINCs and the MCPON developed this series of eight courses that provide a career building block approach for delivering intense leadership training at key career points.

The CNO established a board of visitors to oversee the development and on-going implementation of LC courses. This group is headed by VADM P. A. Tracey (CNET) and consists of the MCPON and 12 flag and senior officers representing all officer communities within the Navy.

The CNO's guidance for the continuum was that it consist of hard hitting, Navy developed courses that are fleet relevant and skills based. He also wanted the courses to provide "just-in-time" training. Therefore, there is a course aimed at each leadership milestone in a Sailor's career, from second class petty officer to commanding officer.

Attendance at appropriate LC courses is mandatory for all hands at specific career milestones. Sailors will attend LC courses upon advancement to E-5, E-6, CPO and CMC/COB. Successful completion is required prior to recommendation for advancement to the next pay grade.

There will be a two-year grandfathering period (from the Navywide on line date) for attending the course for the current pay grade. This ensures individuals who are currently eligible and recommended for advancement will have time to attend the required to course. Officers will attend enroute to PCS leadership tours. †

Information provided by the Chief, Naval Education and Training, public affairs office.

Leadership Continuum Courses

E-5 Leadership Course – Pilot course in August 1996, on line October 1996.

E-6 Leadership Course – Pilot course in August 1996, on line October 1996.

CPO Leadership Course – Pilot course in March 1996, on line since June 1996.

Command Master Chief and Chief of the Boat Leadership Course – Integrated into the nine week Senior Enlisted Academy training in January 1996 as a single-site course taught in Newport, R.I.

Basic Officer Leadership Course – Pilot course in September 1996, on line December 1996. Target audience is officers enroute to assigned Division Officer or Branch Officer (first duty assignment) positions (approximately Year Group + 0-2 years).

Intermediate Officer Leadership Course – Piloted in March 1996, On line September 1996. Target audience is officers enroute to department head positions (or second sea tour for aviators) (approximately Year Group + 7-9 years).

Advanced Officer Leadership Course – Pilot in December 1996 and on line this month. Target audience is officers enroute to Executive Officer, Aviation Department Head and other equivalent of 0-4 leadership positions (approximately Year Group + 12-13 years). For Executive Officers, this course will be taught in Newport, R.I. For aviation department heads and other advanced officers, the course will be taught at the NLTUs and on Mobile Training Team (MTT) visits.

Command Leadership Course – This course has been on line since May 1995. Target audience is commanders and captains enroute to their first command (includes aviation PXOs).

Education

Higher learning is part of your Navy career

Higher education is vital to every Sailor's career. The Navy provides numerous programs to help Sailors achieve their educational goals, whether it's earning a journeyman certificate or a college degree.

Sailors benefit from fulfilling educational goals because it increases their promotion potential in the Navy, as well as prepares them for a smoother transition into a career outside the service.

The Navy's goal is making education accessible to all Sailors through a variety of programs. Your Navy Campus specialist has details on these programs.

Tuition Assistance (TA)

TA is available to all active-duty Sailors. The Navy pays 75 percent of all tuition costs for all officers and enlisted, subject to some constraints.

Service member Opportunity Colleges, Navy (SOCNAV)

SOCNAV is a consortium of more than 60 colleges and universities that have agreed to reasonable transfer of credit and limited residency requirements for military students.

Sailors can work toward a degree through a SOCNAV-2 or SOCNAV-4 college, no matter where they are located, and not have to worry about their credits transferring.

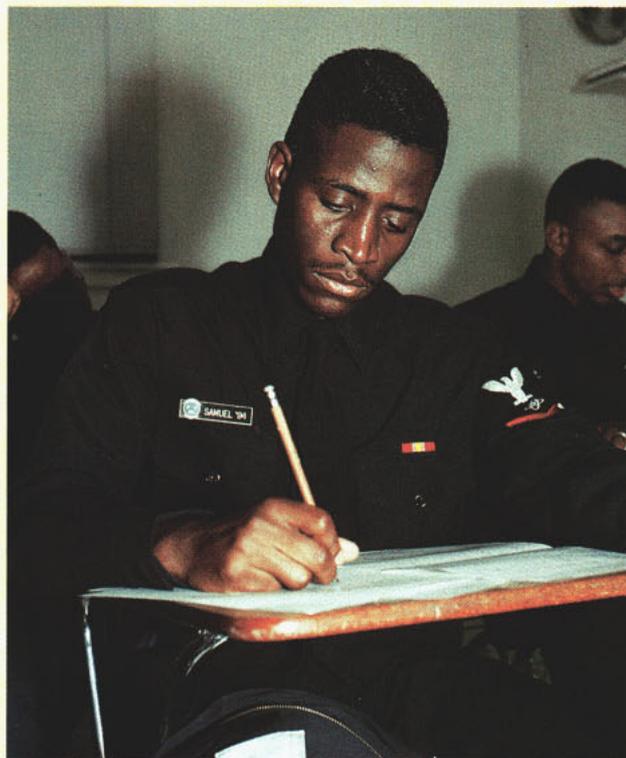
Program for Afloat College Education (PACE)

PACE makes it possible for personnel at sea or at remote locations to go to college. When ships can accommodate an instructor, courses can be held while the ship is underway. For those units that cannot provide instructor berthing, courses are delivered electronically through an interactive microcomputer. College, precollege and academic skills courses can be provided in both instructor and electronic formats with PACE.

Broadened Opportunity for Officer Selection and Training (BOOST)

BOOST is a college prep program that helps enlisted selectees improve their academic skills to pursue a baccalaureate degree and a commission through NROTC or the Naval Academy.

Contact your career counselor and check OP-



NAVNOTE 1500 or write the BOOST program manager at Chief of Naval Education and Training, NAS Pensacola, Fla. 32508-5100 for additional information.

Enlisted Education Advancement Program (EEAP)

EEAP offers career-motivated Sailors the opportunity to pursue a course of study at any accredited college or university.

EEAP allows Sailors to complete their associate or baccalaureate degree requirements, and receive full pay and allowances (less proficiency pay), but must pay all costs for tuition, books and other fees themselves. Selectees incur six years of obligated service.

OPNAVNOTE 1510 has further details on EEAP.

Enlisted Commissioning Program (ECP)

ECP provides active-duty Sailors and naval reservists who have previously earned college credit an opportunity to earn a regular commission.

Interested persons should see their career counselor and check OPNAVNOTE 1530 or contact the Enlisted Commissioning Program Manager, Chief of Naval Education and Training, NAS Pensacola, Fla. 32508-5100 for additional information. †

Rank insignia

Rank Insignia of Navy Commissioned Officers

Paygrade/Rank	Caps, shoulder, collar	Shoulder boards	Sleeve
O-1 Ensign	gold 		
O-2 Lieutenant Junior Grade	silver 		
O-3 Lieutenant	silver 		
O-4 Lieutenant Commander	gold 		
O-5 Commander	silver 		
O-6 Captain	silver 		
O-7 Rear Admiral (Lower Half)	silver 		
O-8 Rear Admiral (Upper Half)	silver 		
O-9 Vice Admiral	silver 		
O-10 Admiral	silver 		
O-11 Fleet Admiral	silver 		

Line / Staff / Warrant Officer Corps Devices



Line



Supply Corps



Medical Corps



Christian Chaplain



Jewish Chaplain



Civil Engineer



Dental Corps



Medical Service Corps



Nurse Corps



Law Community



Judge Advocate General Corps



Boatswain



Ordnance Technician



Ship's Clerk

*Muslim Chaplain Device not shown.
Band Leader Device not shown.

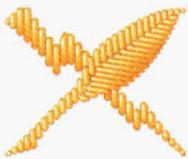
Rank Insignia of Navy Warrant Officers

Paygrade/Rank	Caps, shoulder, collar	Shoulder boards	Sleeve
W-1 Chief Warrant Officer			
W-2 Chief Warrant Officer			
W-3 Chief Warrant Officer			
W-4 Chief Warrant Officer			

Rank Insignia of Navy Enlisted

Paygrade/Rank	Hat and collar	Sleeve
E-1 Seaman Recruit		
E-2 Seaman Apprentice		
E-3 Seaman		
E-4 Petty Officer Third Class		
E-5 Petty Officer Second Class		
E-6 Petty Officer First Class		
E-7 Chief Petty Officer		
E-8 Senior Chief Petty Officer		
E-9 Master Chief Petty Officer		
E-9 Master Chief Petty Officer Of The Navy		

Line / Staff / Warrant Officer Corps Devices



Cryptologic
Technician



Engineering/
Nuclear
Power
Technician



Repair
Technician



Security
Technician



Data
Processing
Technician



Diving
Officer



Air Traffic
Control
Technician



Aerographer



Aviation
Boatswain



Aviation
Electronics
Technician



Aviation
Ordnance
Technician

NAVY TEAM

Active Duty:
406,900



Naval Reserve:
95,941



Civilian Personnel:
226,632

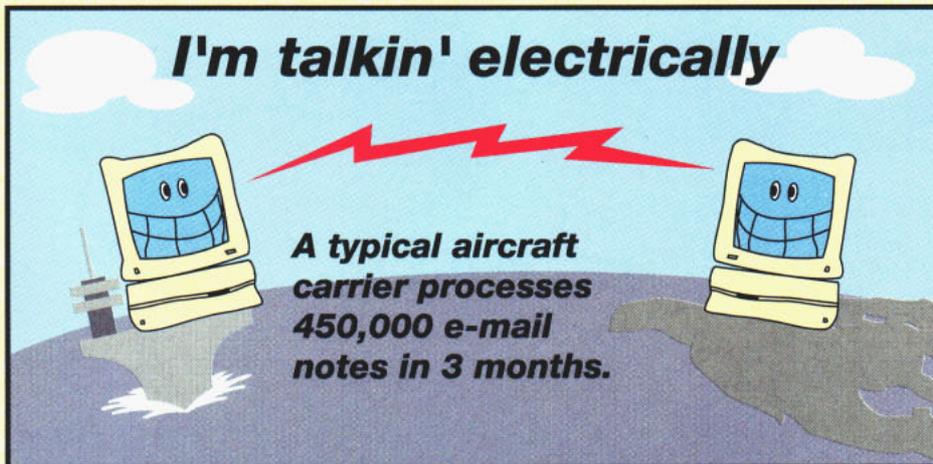


Super Sales
The first 3 months of deployment a typical aircraft carrier will bring in as much as \$1,193,082 in ship stores retail sales.



Factoids

I'm talkin' electrically



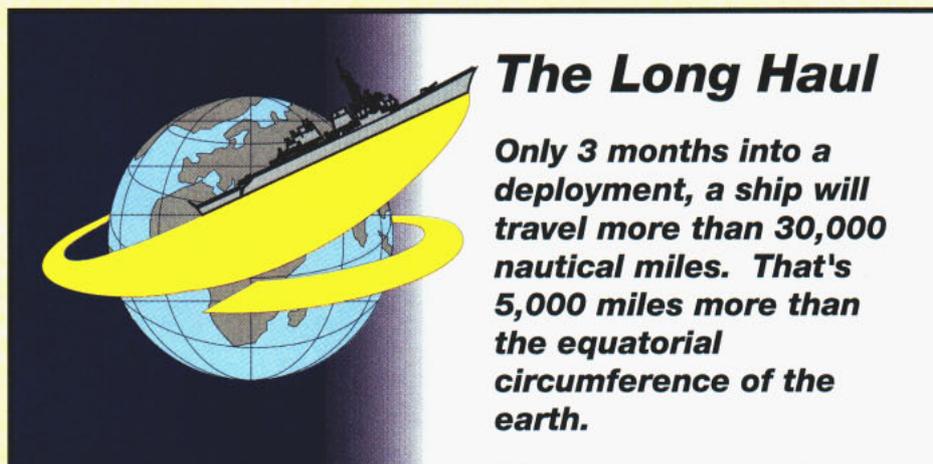
A typical aircraft carrier processes 450,000 e-mail notes in 3 months.

Mail Call



In 3 months at sea, a typical aircraft carrier will process 216,459 pounds of mail.

The Long Haul



Only 3 months into a deployment, a ship will travel more than 30,000 nautical miles. That's 5,000 miles more than the equatorial circumference of the earth.

General Seamanship



BM
Boatswain's Mate



SM
Signalman

Ships Operations



OS
Operations Specialist



QM
Quartermaster

Marine Engineering



BT
Boiler Technician



EM
Electrician's Mate



EN
Engineman



GS
Gas Turbine System Technician
(used at pay grade E-9 only)
GSE (Electrical)
GSM (Mechanical)



IC
Interior Communications Electrician



MM
Machinist's Mate

Ship's Maintenance



HT
Hull Maintenance Technician



IM
Instrumentman



MR
Machinery Repairman



ML
Molder



OM
Opticalman



PM
Patternmaker



DC
Damage Controlman

Aviation Maintenance/ Weapons



PR
Aircrew Survival Equipmentman



AE
Aviation Electrician's Mate



AT
Aviation Electronics Technician



AD
Aviation Machinist's Mate



AZ
Aviation Maintenance Administrationman



AO
Aviation Ordnanceman



AM
Aviation Structural Mechanic
(used at paygrade E-8 only)
AME (Safety Equipment)
AMH (Hydraulics)
AMS (Structures)

Aviation Ground Support



AB
Aviation Boatswain's Mate
(used at pay grade E-9 only)
ABE (Launching and Recovery Equipment)
ABF (Fuels)
ABH (Aircraft Handling)



AS
Aviation Support Equipment Technician

Air Traffic Control



AC
Air Traffic Controller

Weapons Control



ET
Electronics Technician



FC
Fire Controlman



FT
Fire Control Technician

Ordnance Systems



GM
Gunner's Mate
(used at pay grade E-7 and above)
GMG (Guns)
GMM (Missiles)



MN
Mineman



MT
Missile Technician



TM
Torpedoman's Mate

Sensor Operations

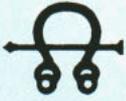


EW
Electronics Warfare Technician



OT

Ocean Systems Technician
(used at paygrade E-9 only)
OTA (Analyst)
OTM (Maintainer)



ST

Sonar Technician
STG (Surface)
STS (Submarine)

Data Systems



DP

Data Processing Technician



DS

Data Systems Technician

Construction



BU

Builder
(becomes CUCM
at pay grade E-9)



CE

Construction Electrician
(becomes UCCM
at pay grade E-9)



CM

Construction Mechanic
(becomes EQCM
at pay grade E-9)



EA

Engineering Aide
(becomes CUCM
at pay grade E-9)



EO

Equipment Operator
(becomes EQCM
at pay grade E-9)



SW

Steelworker
(becomes CUCM
at pay grade E-9)



UT

Utilitiesman
(becomes UCCM
at pay grade E-9)

Health Care



DT

Dental Technician



HM

Hospital Corpsman

Administration



LN

Legalman



NC

Navy Counselor



PN

Personnelman



PC

Postal Clerk



YN

Yeoman



RP

Religious Program Specialist

Logistics



AK

Aviation Storekeeper



DK

Disbursing Clerk



MS

Mess Management
Specialist



SH

Ship's Serviceman



SK

Storekeeper

Media



DM

Illustrator Draftsman



JO

Journalist



LI

Lithographer



PH

Photographer's Mate

Musician



MU

Musician

Master-at-Arms



MA

Master-at-Arms

Cryptology



CT

Cryptologic Technician
CTA (Administrative)
CTI (Interpretive)
CTM (Maintenance)
CTO (Communications)
CTR (Collection)
CTT (Technical)

Communications



RM

Radioman

Intelligence



IS

Intelligence Specialist

Meteorology



AG

Aerographer's Mate

Aviation Sensor Operations



AW

Aviation Systems
Warfare Operator

Insignia and Badges

				
Naval Astronaut	Naval Astronaut (NFO)	Naval Aviator	Naval Flight Officer	Naval Aviation Supply Corps
				
Aviation Experimental Psychologist and Aviation Physiologist	Surface Warfare Medical Service Corps	Flight Surgeon	Aircrew	Enlisted Aviation Warfare Specialist
				
Naval Aviation Observer and Flight Meteorologist	Dirigible Pilot	Surface Warfare Nurse Corps	Surface Warfare (officer)	Enlisted Surface Warfare Specialist
				
Surface Warfare Medical Corps	Surface Warfare Dental Corps	Special Operations	Seabee Combat Warfare Specialist (officer)	Enlisted Seabee Combat Warfare Specialist
				
Submarine Combat Patrol	Surface Supply Corps	Submarine Supply	Submarine Engineering Duty	Submarine (enlisted)
				
SSBN Deterrent Patrol (20 patrols)	SSBN Deterrent Patrol (1 patrol)	Special Warfare	Submarine Medical	Submarine (officer)
				
Diving (officer)	Diving (medical)	Master Diver	Naval Parachutist	Basic Parachutist
				
			Deep Submergence (officer)	Deep Submergence (enlisted)



First Class Diver



Second Class Diver



Scuba Diver



Explosive Ordnance Disposal



Senior Explosive Ordnance Disposal



Master Explosive Ordnance Disposal



Integrated Undersea Surveillance System (enlisted)



Integrated Undersea Surveillance System (officer)



Command-at-Sea



Command Ashore/Project Manager



Small Craft (officer)



Small Craft (enlisted)



Presidential Service Badge



Vice Presidential Service Badge



Craftmaster



Office of the Secretary of Defense



Joint Chiefs of Staff



Career Counselor



Recruiting Command



Recruiting Command for Excellence



Recruit Company Commander



U.S. Navy Police (officer)



U.S. Navy Police (enlisted)



U.S. Navy Security



U.S. Navy Guard



U.S. Navy Corrections



U.S. Navy Master-at-Arms

The Navy has as its core values Honor, Courage and Commitment. These qualities are the foundation upon which our strength is based and victory is achieved. Our core values will carry us into the 21st century.

For more than 200 years, we have stood ready to protect our nation and our freedom. We are ready to carry out any mission; deter conflict around the globe and, when called upon, to fight and be victorious.



Honor

"I would lay down my life for America, but I cannot trifle with my honor."

—John Paul Jones:

4 September 1777

I will:
abide by an uncompromising code of integrity, taking full responsibility for my actions and keeping my word.
conduct myself in the highest ethical manner in relationships with seniors; peers and subordinates.
be honest and truthful in my dealings within and outside the Department of the Navy.
fulfill my legal and ethical responsibilities in my public and personal life.

Courage

"One man with courage makes a majority."

—Andrew Jackson (1767-1845)

I will:
have the courage to meet the demands of my profession and the mission entrusted to me.
make decisions and act in the best interest of the Department of the Navy and the nation, without regard to personal consequences.
overcome all challenges while adhering to the highest standards of personal conduct and decency.
be loyal to my nation by ensuring the resources entrusted to me are used in an honest, careful and efficient way.

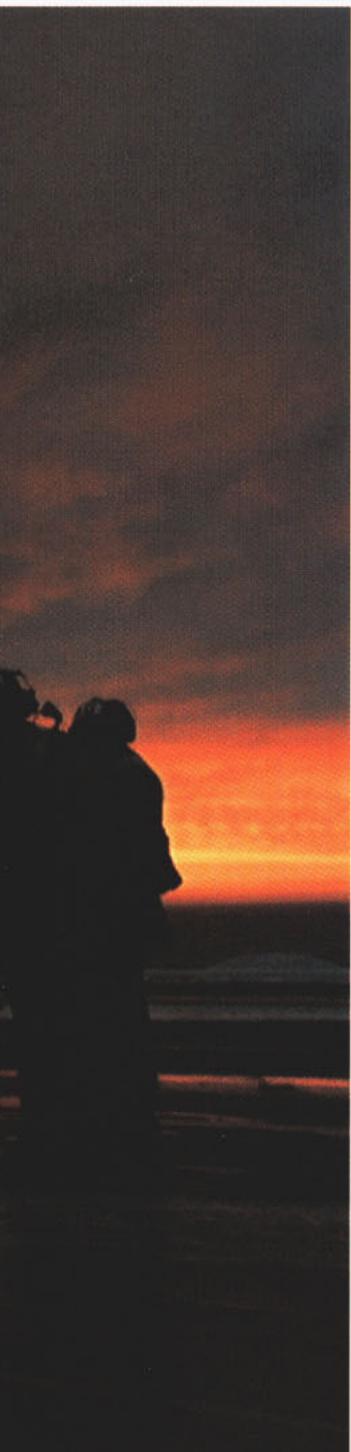
Commitment

"I only regret that I have but one life to lose for my country."

—Nathan Hale:

22 September 1776

I will:
foster respect up and down the chain of command.
care for the professional, personal and spiritual well-being of my people.
show respect toward all people without regard to race, religion or gender.
exhibit the highest degree of moral character, professional excellence, quality and competence in all that I do.



Getting off active duty?

Serve your country in the Naval Reserve

While serving your country in the Naval Reserve you can be building a retirement that will benefit you and your family — not to mention earning a good part-time income. You'll also qualify for low-cost life insurance. If you want to pursue a college education, you may be eligible for the Montgomery GI Bill to help with tuition costs. You and your family will be able to shop at commissaries and exchanges and most importantly, you will feel the pride of being a part of the Navy organization that helps keep our country free. All it will take is one weekend a month at a Naval Reserve activity near your home, and two weeks each year away from home. You may be able to enter at the grade you held when you left active duty.

The Naval Reserve has several exciting programs any one of

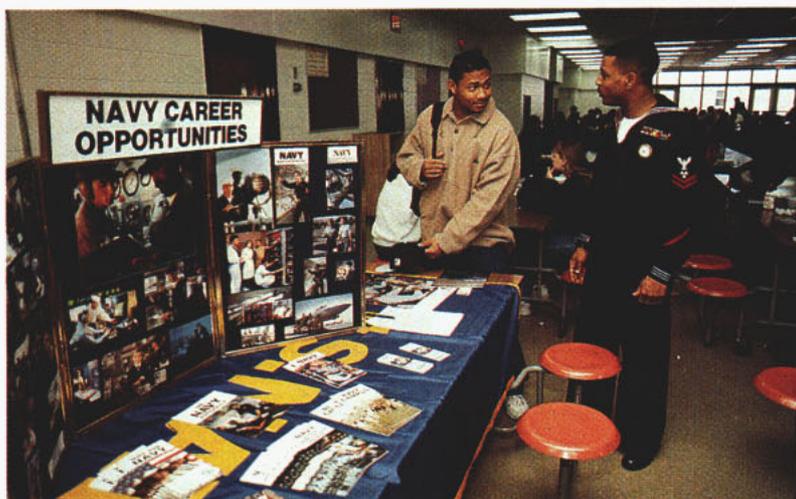


Photo by PH1 Dolores L. Anglin

which you may qualify for. Often the skills you have gained while serving on active duty are in great demand in the Naval Reserve. The Naval Reserve also has a program which allows you to enlist into a rating which is presently undermanned, offering you totally new experiences and more advancement opportunities than may be available in your former rating.

To find out more about what the Naval Reserve can do for you or to see if you qualify, contact 1-800-

USA-USNR. To talk to a local Naval Reserve recruiter check the white pages of area telephone books or the blue pages in larger metropolitan area phone books under "United States Government, Recruiting, Naval Reserve." You may also visit our worldwide web site at <http://www.navy-reserve-jobs.com>. Contained within this home page is a search function which will help you to locate the Naval Reserve recruiter in your immediate vicinity. †



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YOUR CAREER IS OUR JOB.

Your *Command Career Information Team* has only one purpose in mind. To help you realize your full career potential. One of the ways we can do that is to direct you to the Professional Development Board, created to help you move into positions with greater responsibility. After an interview with the board, you'll get advice about your selected career path. You'll also find out about training programs that can lead to greater opportunities for advancement and a bigger paycheck. For additional information about other programs and opportunities that are available to you call 1-800-FOR-NAVY. See how far your career can go. Meet with a member of the Team today.

NAVY
YOU AND THE NAVY.
FULL SPEED AHEAD.

"When word of crisis breaks out in Washington, it's no accident that the first question that comes to everyone's lips is; where's the nearest carrier?"

—President Bill Clinton

San Diego-bound McClusky comes to the aid of Cuban

U.S. bolstering its military presence in Persian Gulf

Military exercises are taking place after two terrorist blasts. Iran calls the maneuvers "provocative acts."

America has the best damn Navy in the world, and no one should ever forget that."

**—William Perry
Secretary of Defense**

U.S. Warplanes Patrol Wider 'No-Fly' Zone

This is almost a Navy war, in which they're really proving the capability of both carrier-borne aircraft and those Tomahawks to move up only 200 miles away — not a thousand miles away, but 200 miles away — up to the key part of Banja Luka and hit the Serbs where they really hurt.

**—Robert Gaskin
Col. USAF (Ret.)
CNN Military Analyst**

Gettysburg, Enterprise carry message for Saddam

Navy carrier Washington readies for Bosnian mission