

The Year in Review

Orlando, Fla., to provide training equipment, analysis and support for naval aircraft through March 2008, with initial efforts focusing on the F/A-18, KC-130, EA-6B and F-14.

25 The Joint Air-to-Surface Standoff Missile was rolled out at Lockheed Martin, Troy, Ala.

26 The Navy announced that an advanced neural network technique to increase the detail in satellite images had been developed. Using the human eye as a model, the technique revealed the composition of information contained in a pixel, and was under consideration for the *Hornet* program to assist pilots in passive surveillance.

28 An upgrade giving the F/A-18A *Hornet* the capabilities of the F/A-18C began with the arrival of the first F/A-18A from VFA-203, Atlanta, Ga., at Naval Weapons Test Squadron, China Lake, Calif.

May

During an exercise conducted over the Atlantic Test Range, Patuxent River, Md., LCdr. Eric Holmberg of the Naval Strike Aircraft Test Squadron released the first Joint Direct Attack Munition MK 84 (2,000-pound version) from a *Super Hornet*.

Carl Vinson (CVN 70) completed yard work at the Puget Sound Naval Shipyard, Bremerton, Wash., which the ship entered on 12 November 1999.

The Standoff Land Attack Missile-Expanded Response reached its full-rate production milestone following the signing of the Acquisition Decision Memorandum.

HSL-94 interdicted the flow of drug shipments into the U.S. during a counternarcotics deployment to the Caribbean. In late May, one of its SH-2G *Super Seasprites* assisted

Samuel Eliot Morison (FFG 13) in the seizure of 28 bales of cocaine totaling nearly a ton off the coast of Columbia.

1 The Cooperative Engagement Capability program was authorized to move forward with the third of four low-rate initial production buys.

11 The first of two “proof-of-concept” Sikorsky SH-60R helicopters, a remanufacture of the SH-60B/F and HH-60H with modified airframe and avionics,



An SH-60B *Seahawk* attached to Light Helicopter Antisubmarine Squadron 49 fires an AGM-119B Penguin antiship missile during RIMPAC 2000 exercises.

arrived at NAS Patuxent River, Md., for developmental and contractor testing. The SH-60R was planned for antisubmarine warfare and antisurface vessel surveillance and targeting. A total of 243 SH-60s were scheduled for conversion into SH-60Rs between 2000 and 2010.

12 The Naval Museum of Armament and Technology was established at NAWC China Lake, Calif.

13 The defense minister of the Republic of Korea announced that the Republic of Korea War Service Medal was available to all eligible U.S. veterans of that conflict or their surviving next of kin.

15 The first production CH-60S

helicopter arrived at NAS Patuxent River, Md., to begin developmental testing.

16 Kaman Aerospace Corp., Bloomfield, Conn., received a \$2.7 million follow-on contract for further development of a remotely piloted K-MAX helicopter for the Marine Corps.

17 LCdr. Kevin Mannix of VFA-25 became the first pilot to fly and perform carrier qualifications following corrective laser eye surgery

when he trapped his *Hornet* on board *Abraham Lincoln* (CVN 72).

17 Responding to a vote by the Senate Armed Services Committee to cut 25 percent from DOD's 2001 budget for the Joint Strike Fighter (JSF), the Secretary of Defense issued a statement that only the JSF provided the capability and security for the fleet's future fighters. The Navy envisioned a total force of 480 JSF carrier aircraft, while the Marines planned for 609 short take-off/vertical landing

types.

18 Remains returned from Cambodia were identified as six Marines lost during the *Mayaguez* incident on 14 May 1975 off Koh Tang island in the Gulf of Thailand. On 12 May 1975 U.S. merchantman *Mayaguez* was illegally seized by the Khmer Rouge in international waters. During the rescue mission on the 14th, one of the six USAF helos carrying Marines from Battalion Landing Teams 2 and 9 was shot down, leaving 13 men unaccounted for. Six Marines were recovered: LCpls. Gregory S. Copenhaver and Andres Garcia and Pvts. 1st Class Walter Boyd and Kelton R. Turner. The names of the other two



LAMPS MK III Ship Deployments, 2000



Battle Group Deployments

John C. Stennis (CVN 74)

7 Jan 00–3 Jul 00

Squadron	Ship
HSL-37 Det 1	<i>Port Royal</i> (CG 73)
HSL-37 Det 8	<i>Elliott</i> (DD 967)
HSL-45 Det 5	<i>Lake Champlain</i> (CG 57)
HSL-47 Det 5	<i>Rentz</i> (FFG 46)

Abraham Lincoln (CVN 72)

14 Aug 00–12 Feb 01

Squadron	Ship
HSL-37 Det 3	<i>Crommelin</i> (FFG 37)
HSL-37 Det 7	<i>Fletcher</i> (DD 992)
HSL-43 Det 1	<i>Bunker Hill</i> (CG 52)
HSL-49 Det 4	<i>Shiloh</i> (CG 67)

Individual Deployments

Squadron	Dates	Ship
HSL-43 Det 7	15 Aug 99–10 Feb 00	<i>Curts</i> (FFG 38)
HSL-47 Det 4	20 Sep 99–20 Mar 00	<i>Ford</i> (FFG 54)
HSL-49 Det 8	27 Dec 99–12 Jun 00	<i>O'Brien</i> (DD 975)
HSL-47 Det 6	19 Jan 00–18 Jul 00	<i>Doyle</i> (FFG 30)
HSL-49 Det 2	27 Mar 00–25 Sep 00	<i>Valley Forge</i> (CG 50)
HSL-45 Det 6	31 Mar 00–29 Sep 00	<i>Fife</i> (DD 991)
HSL-43 Det 9	31 Mar 00–29 Sep 00	<i>Jarrett</i> (FFG 33)
HSL-47 Det 3	16 Apr 00–04 Oct 00	<i>David R. Ray</i> (DD 971)
HSL-47 Det 2	05 Jun 00–24 Sep 00	<i>Antietam</i> (CG 54)
HSL-45 Det 7	22 Jun 00–22 Nov 00	<i>Oldendorf</i> (DD 972)
HSL-43 Det 10	05 Jul 00–22 Dec 00	<i>DeWert</i> (FFG 45)
HSL-49 Det 7	21 Jul 00–20 Sep 00	<i>Mobile Bay</i> (CG 53)
HSL-47 Det 3	13 Sep 00–06 Feb 01	<i>McClusky</i> (FFG 41)
HSL-39 Det 6	09 Nov 00–26 Apr 01	<i>Hewitt</i> (DD 966)

Battle Group Deployments

John F. Kennedy (CV 67)

17 Sep 99–16 Mar 00

Squadron	Ship
HSL-42 Det 2	<i>Spruance</i> (DD 963)
HSL-42 Det 4	<i>Monterey</i> (CG 61)
HSL-44 Det 6	<i>John Hancock</i> (DD 981)
HSL-46 Det 3	<i>Underwood</i> (FFG 36)
HSL-48 Det 5	<i>Taylor</i> (FFG 50)

Dwight D. Eisenhower (CVN 69)

18 Feb 00–18 Aug 00

Squadron	Ship
HSL-42 Det 7	<i>Samuel B. Roberts</i> (FFG 58)
HSL-44 Det 8	<i>Cape St. George</i> (CG 71)
HSL-48 Det 3	<i>Kauffman</i> (FFG 59)
HSL-48 Det 10	<i>Anzio</i> (CG 68)
HSL-46 Det 4	<i>Arthur W. Radford</i> (DD 968)

George Washington (CVN 73)

21 Jun 00–19 Dec 00

Squadron	Ship
HSL-42 Det 1	<i>Hawes</i> (FFG 53)
HSL-44 Det 10	<i>Caron</i> (DD 970)
HSL-48 Det 2	<i>Briscoe</i> (DD 977)
HSL-44 Det 9	<i>Simpson</i> (FFG 56)
HSL-46 Det 7	<i>Normandy</i> (CG 60)

Individual Deployments

Squadron	Dates	Ship
HSL-46 Det 10	25 Aug 99–20 Feb 00	<i>Robert G. Bradley</i> (FFG 49)
HSL-44 Det 4	25 Sep 99–25 Jan 00	<i>Yorktown</i> (CG 48)
HSL-42 Det 3	15 Jan 00–17 Apr 00	<i>John L. Hall</i> (FFG 32)
HSL-46 Det 9	15 Mar 00–15 Sep 00	<i>Moosbrugger</i> (DD 980)
HSL-42 Det 10	16 May 00–1 Jul 00	<i>Peterson</i> (DD 969)
HSL-46 Det 8	23 Jul 00–19 Dec 00	<i>Thomas S. Gates</i> (CG 51)
HSL-42 Det 9	01 Aug 00–12 Nov 00	<i>Hayler</i> (DD 997)
HSL-42 Det 3	01 Aug 00–13 Nov 00	<i>Klakring</i> (FFG 42)
HSL-42 Det 5	21 Aug 00–05 Oct 00	<i>Gettysburg</i> (CG 64)
HSL-48 Det 7	11 Aug 00–22 Dec 00	<i>Boone</i> (FFG 28)
HSL-42 Det 3	05 Sep 00–15 Nov 00	<i>Ticonderoga</i> (CG 47)
HSL-42 Det 10	25 Sep 00–17 Nov 00	<i>Oscar Austin</i> (DDG 79)
HSL-46 Det 6	15 Dec 00–15 May 01	<i>O'Bannon</i> (DD 987)

Harry S. Truman (CVN 75)

28 Nov 00–23 May 01

Squadron	Ship
HSL-42 Det 8	<i>San Jacinto</i> (CG 56)
HSL-44 Det 1	<i>Deyo</i> (DD 989)
HSL-46 Det 2	<i>Carr</i> (FFG 52)
HSL-48 Det 6	<i>Stump</i> (DD 978)

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Marines were withheld at the request of their families.

19 The president approved the establishment of the Kosovo Campaign Medal and campaign streamers.

24 The X-32 Joint Strike Fighter completed initial low- and medium-speed taxi tests at the Boeing Co., Palmdale, Calif.

25 While embarked on board *Valley Forge* (CG 50) during a counternarcotics mission in the eastern Pacific, a helo from HSL-49

Det 2 operated by LCdr. John Hunt, Ltjg. Jeremy Niles and AW3 Paul Amado participated in the rescue of 12 castaways who were adrift in their vessel.

30 Newport News Shipbuilding, Va., was awarded a \$1.2 million contract by the Navy to plan for the second Planned Incremental Availability (nonpropulsion work) of *John C. Stennis* (CVN 74).

June

Aircraft 763, the last ES-3A *Shadow* left on board NAS Jacksonville, Fla., since the deactivation of VQ-6 on 30 September 1999, departed for NAS Pensacola, Fla.

The E-2C *Hawkeye 2000* completed its 400th flight hour during testing in Puerto Rico.

1 The Navy announced the introduction of SEE/RESCUE, a six-ounce passive and continuous emergency distress signaling pocket rescue unit requiring no batteries, chemicals or electronics. During testing, the device was visually identified by search and rescue teams from an altitude of up to 3,000 feet and over one mile away.

5 The MV-22B *Osprey* resumed operational evaluation flights.

8 During an exercise at White Sands Missile Range, N.M., the integrated weapon capabilities of the Boeing Company's Joint Strike Fighter design were demonstrated. A modified 737-200 was used to gather and refine data for an F-15 *Eagle*, allowing the F-15 to attack a ground target with a global positioning system-guided Joint Direct Attack Munition.

14 The first KC-130J tanker/transport made its initial flight at Lockheed Martin, Marietta, Ga. A potential replacement for the KC-130, the Marines had ordered eight aircraft, as well as requesting four per year until all 51 active KC-130F/Rs and 28 reserve KC-130Ts were replaced.

16 The Navy announced an \$8.9 billion multiyear contract with the Boeing Co., St. Louis, Mo., for full-rate production of the F/A-18E/F *Super Hornet*. The contract provided for a total purchase of 222 aircraft over five years, with 36 aircraft in 2000, 42 in 2001 and 48 for each of the following three years. By this date a total of 28 *Super Hornets* had flown over

Aviation Command Changes, 2000

Established

Naval Air Maintenance Training Unit, Jacksonville, FL	5 Jun
Naval Air Maintenance Training Unit, Lemoore, CA	5 Jun
Naval Air Maintenance Training Unit, Norfolk, VA	5 Jun
Naval Air Maintenance Training Unit, North Island, CA	5 Jun
Naval Air Maintenance Training Unit, Oceana, VA	5 Jun
Naval Air Maintenance Training Unit, Whidbey Island, WA	5 Jun

Disestablished

Naval Air Training Management Support Activity, Corpus Christi, TX	21 Mar
NAS Cecil Field, FL	3 May
Naval Air Maintenance Training Group Detachment, Jacksonville, FL	5 Jun
Naval Air Maintenance Training Group Detachment, Lemoore, CA	5 Jun
Naval Air Maintenance Training Group Detachment, Norfolk, VA	5 Jun
Naval Air Maintenance Training Group Detachment, North Island, CA	5 Jun
Naval Air Maintenance Training Group Detachment, Oceana, VA	5 Jun
Naval Air Maintenance Training Group Detachment, Whidbey Island, WA	5 Jun
Naval Air Warfare Center, Aircraft Division, Indianapolis, IN	30 Sep
NAS Point Mugu, CA	6 Oct

Deactivated

VQ-11	31 Mar
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Note: Shore commands are disestablished; squadrons are deactivated for possible future



PH3 Alex C. Witte

9,200 hours, meeting or exceeding all performance criteria.

16 During testing at NAWC China Lake, Calif., images from an Advanced Tactical Airborne Reconnaissance System-equipped F/A-18D *Hornet* were data-linked to the Marine Corps Tactical Exploitation Group.

17 For the first time since 8 April, the MV-22B *Osprey* flew with passengers, including Marine Commandant Gen. James L. Jones.

19 The Boeing Co., Seattle, Wash., announced that it had completed the fourth full-mission simulation of the Joint Strike Fighter operational concept, with both U.S. and British pilots flying approximately 100 simulated air-to-air and air-to-ground missions.

23 Raytheon Co., Lexington,

An F/A-18 *Hornet* launches from *Kitty Hawk* (CV 63) while operating in the western Pacific.

Mass., received an initial \$31.4 million contract for the Joint Signals Intelligence Avionics Family Modernization on the EP-3E *Aries II*. The upgrade was intended to enhance communication and processing capabilities.

29 Naval Force Aircraft Test Squadron, NAS Patuxent River, Md., began testing an eight-blade propeller for the E-2C *Hawkeye* and C-2 *Greyhound*. Following fleet introduction in 2001, all *Hawkeyes* and *Greyhounds* were expected to have the new prop by 2006.

29 The Boeing Co., Seattle, Wash., demonstrated Flashjet, an

environmentally friendly paint stripper, on an EA-6B *Prowler*.

29 The Boeing Co., Mesa, Ariz., announced that it had selected the Advanced 27mm Aircraft Cannon, based on the BK27 developed by Mauser-Werke Oberndorf of Germany, for its Joint Strike Fighter aircraft design.

29 The Navy announced that The Standoff Land Attack Missile-Expanded Response had reported for duty with the fleet.

30 The Defense Advanced Research Projects Agency and the Navy awarded agreements to the Boeing Co. and Northrop Grumman Corp., each receiving \$2 million for the first phase of the Naval Unmanned Combat Air Vehicle (UCAV-N) Advanced Technology Program. The program's goal was to

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PHS David E. Carter II

demonstrate the feasibility of the UCAV-N in enemy air defense suppression.

30 The Marine Corps announced that after considering seven other routes, no feasible alternatives to a helo flight path between MCAS Miramar and Camp Pendleton, both in California, existed. Residents near the bases had initiated legal action to end the flights.

July

2 The destroyer *McCampbell* (DDG 85) was christened at Bath Iron Works, Bath, Maine. The ship honored Capt. David McCampbell, who was awarded the Medal of Honor and became the Navy's top ace with 34 confirmed kills against the Japanese during WW II.

5 The Chief of Naval Operations established a new office on his immediate staff, the Assistant CNO for Missile Defense, responsible for both theater ballistic missile and cruise missile defense.

10 The Boeing Co. announced that it had been awarded one of four concept exploration contracts for the

Dwight D. Eisenhower (CVN 69) weighs anchor after five days of liberty in Antalya, Turkey. The carrier was en route to the Arabian Gulf to conduct operations in support of Operation Southern Watch.

Multi-mission Maritime Aircraft (MMA) program. The \$493,000 contract was signed to explore options for the P-3 *Orion* and EP-3 *Aries* replacement.

12 The Navy announced that it had increased the 2000 Aviation Career Continuation Pay program to improve retention, giving Naval Aviators potential earnings of up to \$245,000 in bonuses through 25 years of aviation service. Additional options were available for shorter term contracts.

15 The MV-22B *Osprey* completed its operational evaluation at MCAS New River, N.C.

16 The F/A-18F *Super Hornet* made its international debut when two from VFA-122 flew nonstop from NAS Patuxent River, Md., to Farnborough, England, for the international air show. Also debuting

was a full-scale model of the X-32A Joint Strike Fighter.

21 Adm. Vern E. Clark relieved Adm. Jay L. Johnson as Chief of Naval Operations in a ceremony at the Naval Academy, Annapolis, Md.

24 The P-3C Block Modernization Upgrade Program Development Test Integration Facility opened at NAS Patuxent River, Md.

25 The first CV-22, the special operations version of the V-22 *Osprey*, rolled out at Bell Helicopter Textron, Ft. Worth, Texas.

25 The Boeing Co., Seattle, Wash., completed testing of its version of the Joint Strike Fighter short take-off/vertical landing propulsion system, accomplishing over 220 transitions between conventional and STOVL operating modes.

26 *Belleau Wood* (LHA 3) and *Essex* (LHD 2) swapped commands in Sasebo, Japan. Swaps enable crews of forward-deployed ships to switch ships rather than impacting families by moving them to new home ports. The swap was the fleet's

largest to date, requiring six weeks to complete.

26 NASA announced its 2000 Astronaut Candidate Class. Naval Aviation personnel included LCdrs. Stephen G. Bowen and Barry E. Wilmore; Lt. Dominic A. Antonelli; and Marine Maj. Douglas G. Hurley.

30 Retired RAdm. Louis A. Williams died in San Diego, Calif. Among his achievements during his 32 years of naval service was his appointment as the first African American flight instructor at Pre-Flight School, Pensacola, Fla.

August

The LITENING II targeting pod, which provides an air-to-ground laser target designation capability, was approved for the AV-8B *Harrier II*.

10 Lt. Matt Heckemeyer and wife Kerry purchased Trader Jon's establishment in Pensacola, Fla., from the family of Martin Weissman, who died in February. Weissman purchased the tavern in the 1950s, which soon became a shrine to Naval Aviators. One room housed memorabilia dedicated to the Navy's flight demonstration squadron, the *Blue Angels*.

11 A U.S.-Russian team identified the crash site of a PV-1 *Ventura* on the slope of Mutnovskiy volcano in eastern Kamchatka, Russia. Part of a five-plane reconnaissance and bombing mission against the Japanese in the Kurile Islands on 25 March 1944, the *Ventura* failed to return to its airfield on Attu, Aleutian Islands.

12 Naval Aviation assets were alerted to support Russian efforts to recover the Russian Oscar II class submarine *Kursk* (K 141), which sank in the Barents Sea due to an accidental explosion. However, Russia initially declined assistance and her crew of 118 was not rescued.

17 The Boeing Co., Seattle, Wash., selected Martin-Baker to produce the ejection seat design for its version of the Joint Strike Fighter. The design was to be a

derivative of the MK 16 series already used in the T-6 *Texan II*.

17 An acquisition decision memorandum approving the full-rate production of the F/A-18 *Hornet's* Advanced Tactical Airborne Reconnaissance System was signed.

21 Capt. David A. Rogers, commanding officer, NAS Fallon, Nev., replaced retired Capt. Lonny McClung as president of the Tailhook Association. As the first active duty president of the association since 1991, Rogers initiated the restoration of the association's ties with active duty Naval Aviators.

22 President Clinton signed the 2001 Defense Appropriations Act, paving the way for a 3.7 percent pay raise for service members effective on 1 January 2001. Naval Aviation procurements included \$4.2 billion for 42 F/A-18E/F *Super Hornets*, \$1.1 billion for the V-22 *Osprey* and \$4 billion for the CVN 77 aircraft carrier.

23 The Boeing Co., St. Louis, Mo., received a \$10.4 million contract to begin low-rate initial production of the Joint Helmet Mounted Cueing System. Thirty-seven of the systems were ordered for the *Super Hornet* through 2002.

23 The *George Washington* (CVN 73) battle group assisted Bahraini forces in the recovery of Gulf Air flight 072, which had crashed in the Arabian Gulf. Search and rescue personnel were directed to the scene and supported by two HS-15 helos.

24 The Improved Tactical Air Launched Decoy completed a test flight at NAWC China Lake, Calif. Developed by Israeli Military Industries, the decoy was created to more accurately imitate manned aircraft.

25 Flight restrictions temporarily grounded three types of aircraft: 198 Marine AH-1W *Cobras*, due to older rotor blades possibly susceptible to cracking; 165 Marine CH-53E *Super Stallions*, due to a crash on 10 August of an MH-53E off Corpus Christi, Texas; and 11 *Ospreys*, following a preliminary

landing of one at Camp Lejeune, N.C., due to a drive-shaft coupling failure.

25 The final F/A-18D *Hornet*, slated for delivery to VMFA(AW)-121, MCAS Miramar, Calif., rolled off the production line.

September

An F/A-18C *Hornet* flown by Cdr. Michael Murphy delivered an improved Joint Stand-Off Weapon with enhanced guidance electronics during testing at NAWC China Lake, Calif.

1 The flight restriction that temporarily grounded the MV-22B *Osprey* was lifted, allowing two of the aircraft to resume flying while inspections continued on the remainder.

9 The C-40A *Clipper* was introduced to the Naval Reserve in a ceremony at Boeing Field, Seattle, Wash.

12 General Dynamics, Burlington, Vt., was awarded a \$45 million contract for the development of three turreted gun systems based on the 12.7mm GAU-19/A Gatling gun for testing for the V-22 *Osprey*. Testing was expected to be completed by February 2005.

14 Twelve Moroccan castaways adrift in the Mediterranean were rescued in a joint effort by *Briscoe* (DD 977) and a P-3C *Orion* from VP-45 piloted by Lt. Robert Dinunzio.

14 The F/A-18 *Hornet* commemorated its four-millionth flight hour.

14 Four Marine CH-53E *Super Stallions* were the first of the aircraft to resume flight following the 25 August grounding order.

15 Remains returned from Vietnam were identified as LCdr. Roger B. Innes, who was lost on 27 December 1967 when his F-4B *Phantom II* failed to return to *Kitty Hawk* (CVA 63) from an armed reconnaissance mission over North Vietnam. The name of the other officer lost was not released at the request of his family.

18 Test pilot Fred Knox flew the X-32A Joint Strike Fighter on its first flight at the Boeing Co.,

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Palmdale, Calif.

18 The first CV-22 *Osprey* arrived at Edwards AFB, Calif. The *Osprey* was one of two that began conversion in June from an MV-22B at Bell Helicopter, Arlington, Texas.

20 The Joint Air-to-Surface Standoff Missile completed its first engineering and manufacturing development controls flight test at Eglin AFB, Fla.

20 Raytheon Co., Madison, Miss., was awarded an initial \$77.2 million contract to provide logistics support for 312 T-34C *Turbo-Mentor* and 55 T-44A *Pegasus* aircraft.

22 The AIM-9X Sidewinder was approved for low-rate initial production.

26 Lockheed Martin, Orlando, Fla., was awarded a six-year, \$180 million contract to replace 545 test program kits used with the Consolidated Automated Support System for testing avionics, radar and electronic warfare systems.

27 Testing of the Cooperative Engagement Capability system against drone-simulated threats was completed off Wallops Island, Va. Participating commands under Commander Carrier Group 6 included *Dwight D. Eisenhower* (CVN 69) and *Wasp* (LHD 1).

27 The X-45A unmanned combat aerial vehicle was unveiled at the Boeing Co., St. Louis, Mo.

29 Flying a T-45A *Goshawk*, Ltjg. Jonathan Bear, a student in VT-22, NAS Kingsville, Texas, logged the six millionth cumulative hour for the Rolls-Royce Turbomeca Adour power plant.

October

General Electric Aircraft was awarded a \$385 million contract for 73 F414-GE-400 engines for the F/A-18E/F *Super Hornet*, with deliveries scheduled between June 2001 and May 2002.

1 Under a realignment in the office of the Chief of Naval Operations, the Director, Air Warfare Division (N88) was redesignated N78.

2 The *Pioneer* became the first unmanned aerial vehicle to be inducted into the National Air and Space Museum.

4 Following a detailed cost comparison validating the command's cost savings, the Navy announced that the *Pacesetters* of NADEP Jacksonville, Fla., would continue to perform technical data support functions.

6 The Secretary of the Navy announced the award of a contract worth almost \$7 billion to Electronic Data Systems Corp. to build and



The Boeing X-32, left, and Lockheed Martin X-35 Joint Strike Fighter demonstrator aircraft continued testing.

maintain the Navy-Marine Corps Intranet.

10 The Secretary of Defense announced that the U.S. would not raise its troop strength in the Balkans above 10,000. At this date there were almost 6,500 American personnel in the region, including Naval Aviation commands.

10 An F-16 *Fighting Falcon* covered with aircraft appliqué completed testing at Lockheed Martin, Fort Worth, Texas. The appliqué, consisting of paint-replacement adhesive films, were under consideration as a less costly alternative for aircraft exteriors.

12 While refueling in Aden, Yemen, en route to a port visit in Bahrain during her deployment with the *George Washington* (CVN 73) battle group, destroyer *Cole* (DDG 67) was damaged by a terrorist bomb carried on board an inflatable

speedboat, killing 17 sailors and wounding 42. *Cole* suffered flooding in the engineering spaces, but heroic damage control efforts saved her. Naval Aviation assets, including *Tarawa* (LHA 1), responded immediately, providing support throughout the crisis. On 9 November Litton Ingalls Shipbuilding, Pascagoula, Miss., was selected to repair the destroyer.

13 The Navy declared the MV-22B *Osprey* operationally effective and suitable for land-based operations. Additional testing of the blade-fold wing stow system was planned to determine shipboard suitability.

13 Newport News Shipbuilding, Va., was awarded a \$161 million contract for research and design development engineering in support of the future CVNX carrier program.

16 The first remanufactured AH-1Z *Super Cobra* completed restrained ground run tests at Bell Helicopter,

Arlington, Texas.

21 The X-35A Joint Strike Fighter completed taxi tests at Lockheed Martin, Palmdale, Calif. Test pilot Tom Morgenfeld performed the tests, which were for the conventional takeoff and landing version of the JSF.

24 Test pilot Tom Morgenfeld flew the X-35A Joint Strike Fighter for its first flight at Lockheed Martin, Palmdale, Calif.

26 The Navy authorized low-rate initial production of the Integrated Mechanical Diagnostics Health and Usage Monitoring System for the Marine Corps' CH-53E *Super Stallion* and MH-53E *Sea Dragon*.

30 Harry S. Gann, 75, passed away after a battle with cancer. Following WW II Army service, Gann joined Douglas Aircraft in 1954, where he helped design control systems for aircraft such as

Aircraft Stricken in 2000

Aircraft	BuNo	Date	Aircraft	BuNo	Date	Aircraft	BuNo	Date
A-6E	151591	5 Dec	AV-8B	163519	10 Jul	NFA-18A	161925	27 Nov
A-6E	151593	25 Jul	AV-8B	163664	25 Sep	NP-3D	150525	20 Nov
A-6E	152607	5 Dec	AV-8B	163672	23 Oct	NRA-3B	142256	15 Nov
A-6E	152642	25 Jul	AV-8B	163674	12 Nov	P-3B	153453	27 Jul
A-6E	152645	25 Jul	AV-8B	163675	24 May	QF-4N	150465	17 Feb
A-6E	152950	5 Dec	AV-8B	163683	22 May	QF-4S	155580	21 Apr
A-6E	154129	25 Jul	AV-8B	163690	22 Aug	QF-4S	153787	21 Jul
A-6E	154137	5 Dec	AV-8B	164144	15 Apr	QF-4S	153856	26 Sep
A-6E	154156	25 Jul	AV-8B	164145	21 Jun	QF-4S	155864	21 Dec
A-6E	154158	5 Dec	CH-46E	156460	11 Aug	S-3B	159768	6 Dec
A-6E	155606	25 Jul	CH-53D	157740	19 Dec	S-3B	160592	6 Dec
A-6E	155616	25 Jul	DC-9	163037	13 Nov	T-2C	156729	31 May
A-6E	155621	5 Dec	E-2C	160992	18 Aug	T-2C	157038	31 May
A-6E	155623	5 Dec	E-2C	161097	24 Oct	T-2C	158311	31 May
A-6E	155630	25 Jul	EC-24A	163050	31 May	T-2C	158325	28 Apr
A-6E	155642	5 Dec	ERA-3B	146446	15 Nov	T-34C	160629	2 May
A-6E	155643	25 Jul	F-4S	155740	25 May	T-34C	161045	27 Sep
A-6E	155659	5 Dec	F-14A	158627	6 Dec	T-38A	510327	12 Jan
A-6E	155662	5 Dec	F-14A	158629	18 Jun	T-38A	650375	11 Jul
A-6E	155695	5 Dec	F-14A	159829	21 Dec	TA-4J	152850	20 Jan
A-6E	155697	25 Jul	F-14A	159849	14 Sep	TA-4J	153469	25 Aug
A-6E	155699	25 Jul	F-14A	159862	14 Sep	TA-4J	153667	25 Aug
A-6E	157000	25 Jul	F-14A	160678	25 Feb	TA-4J	153680	15 Mar
A-6E	158042	5 Dec	F-14A	160681	29 Feb	TA-4J	154298	15 Mar
A-6E	158052	25 Jul	F-14A	160929	14 Sep	TA-4J	154634	20 Jan
A-6E	158795	25 Jul	F-14A	160681	29 Feb	TA-4J	155100	20 Jan
A-6E	159177	25 Jul	F-14A	160929	14 Sep	TA-4J	155105	15 Mar
A-6E	159180	5 Dec	F-14A	161162	4 Apr	TA-4J	156901	15 Mar
A-6E	159310	5 Dec	F-14A	161272	27 Sep	TA-4J	156914	20 Jan
A-6E	159317	25 Jul	F-14A	161272	27 Sep	TA-4J	156941	15 Mar
A-6E	159900	5 Dec	F-14A	162603	23 Jun	TA-4J	158119	15 Mar
A-6E	160422	5 Dec	F-14B	163219	17 Mar	TA-4J	158142	20 Jan
A-6E	161082	25 Jul	F-14B	163228	26 Jul	TA-4J	158459	25 Aug
A-6E	161669	5 Dec	F/A-18A	161962	5 Jul	TA-4J	158473	25 Aug
A-6E	161672	5 Dec	F/A-18A	162851	12 Jun	TA-4J	158474	30 May
A-6E	161677	5 Dec	F/A-18C	164232	27 Oct	TA-4J	158513	20 Jan
A-6E	161680	5 Dec	F/A-18C	164681	29 Sep	TC-18F	165343	7 Dec
A-6E	161680	5 Dec	F/A-18C	164737	20 Oct	TH-57C	162055	31 Jul
A-6E	162204	5 Dec	F/A-18C	164867	5 Oct	UH-3H	148980	8 Sep
A-6E	162205	5 Dec	F/A-18D	164233	10 May	UH-60A	722716	17 Oct
A-6E	162209	25 Jul	F/A-18D	164665	10 Jan	UH-60A	823507	10 Jul
A-6E	162210	5 Dec	F/A-18D	164692	11 Sep	UP-3B	153433	30 May
A-6E	164379	5 Dec	F/A-18D	164868	7 Jul	YCH-60	966673	18 Dec
A-6E	164380	5 Dec	KC-130F	149804	22 May			
AH-1W	163930	10 Mar	MH-53E	164772	10 Aug			
AV-8B	162733	28 Feb	MV-22B	165436	8 Apr			
AV-8B	162960	20 Dec	MV-22B	165440	11 Dec			
AV-8B	162973	25 Jan						
AV-8B	163176	19 Jun						
AV-8B	163203	27 Mar						

The Year in Review

the A4D *Skyhawk*, A3D *Skywarrior* and F-6 (F4D) *Skyray*. Retiring in 1992, Gann was the curator of the Command Museum, MCAS El Toro, Calif., until 1996. He was a founder of the American Aviation Historical Society, and was designated an Honorary Marine Aviator in 1975, an Honorary *Blue Angel* in 1979, and Honorary Naval Aviator No. 24 in 1997.

November

Naval Rotary Wing Aircraft Test Squadron competed initial shipboard testing of the CH-60S.

7 The X-35A Joint Strike Fighter completed its first aerial refueling when its pilot, LCol. Paul Smith, USAF, rendezvoused with an Air Force KC-135 *Stratotanker* over Edwards AFB, Calif.

8 At NAS Patuxent River, Md., Capt. J. B. Hollyer and Lt. Kevin Quarterer completed the first flight of the T-34C *Turbo-Mentor* with the addition of wing pylons for external stores.

8 Following the successful demonstration of the MV-22B *Osprey's* blade-fold wing stow system in sea trials conducted on board *Bataan* (LHD 5) on 31 October, the aircraft was declared

suitable for shipboard operations.

10 Maj. Art Tomassetti became the first Marine to fly the X-35A Joint Strike Fighter, celebrating the 225th birthday of the Corps with his flight at NAS Patuxent River, Md.

13 A laser guidance system developed by Lockheed Martin primarily for the Paveway II GBU-16 laser-guided bomb was tested at NAWC China Lake, Calif.

15 The X-32A Joint Strike Fighter began field carrier landing practice testing at Edwards AFB, Calif.

17 A CH-60S at Sikorsky Aircraft Corp., Stratford, Conn., received an experimental coat of three-shade flat, haze gray paint specifically designed to reduce air pollution through the elimination of volatile organic compounds. The project was being reviewed for Navy-wide adoption.

20 The first AH-1Z *Super Cobra* rolled out at Bell Helicopter Textron, Arlington, Texas.

21 Test pilot Tom Morgenfield broke the sound barrier in the X-35A Joint Strike Fighter over Edwards AFB, Calif.

28 The *Harry S. Truman* (CVN 75) battle group began a deployment

to the Mediterranean, where it was scheduled to relieve the *George Washington* (CVN 73) battle group. This was *Truman's* maiden deployment.

30 Marine officials stated their confidence in the MV-22B *Osprey's* readiness for low-rate initial production, citing 118 improvements designed to address concerns raised in a report by the Director of Operational Test and Evaluation concerning its reliability, maintainability, availability and interoperability.

December

During the final weeks of 2000, efforts by private organizations to save *Cabot* (CVL 28) as a memorial were unsuccessful. The ship, the last of her type, was consigned to the scrappers.

VMFA-115, MCAS Beaufort, S.C., accepted delivery of the first F/A-18A *Hornet* upgraded to F/A-18C capabilities.

4 The X-32A Joint Strike Fighter completed low-speed approach carrier tests at Edwards AFB, Calif.

7 The AH-1Z *Super Cobra* flew for the first time at Bell Helicopter Textron, Arlington, Texas.

7 A Naval Air Systems Command

RESCUE AT SEA



On the afternoon of 17 December CGAS *Elizabeth City*, N.C., received word that the 600-foot Panamanian-flagged cruise ship *Sea Breeze I*, en route to Charleston, S.C., from Halifax, Nova Scotia, was experiencing flooding in her engine room and was foundering in 25-foot seas 200 miles east of Cape Charles, Va. Fighting 30-knot winds, two Coast Guard HH-60J *Jayhawks* raced to the scene and rescued Solon M. Papadopoulos, the ship's master (shown above thanking the helo's pilot), and 33 of his crew. Twenty-six of the men were hauled up into the first helo, which together with the four Coast Guard crew members, established a record for an HH-60J with 30 people packed on board! Two HC-130H *Hercules* supported the rescue efforts as the helos headed for land with their grateful passengers.



engineering team at NAS Patuxent River, Md., completed a V-22 multipurpose cargo mockup laboratory.

7 The first fleet F/A-18E *Super Hornet* (BuNo 165781), flown by Cdr. Jeffrey Penfield, arrived at VFA-115, NAS Lemoore, Calif. The aircraft was scheduled for its maiden deployment on board *Abraham Lincoln* (CVN 72) in 2002.

11 All MV-22B *Ospreys* were grounded following the crash near Jacksonville, N.C., of an *Osprey* from Marine Medium Tilt-rotor Training Squadron 204, MCAS New River, N.C., which killed four Marines.

14 Members of the Joint Strike Fighter test team completed the validation of a hover pit facility for Joint Strike Fighter testing at NAS Patuxent River, Md.

15 The Secretary of Defense announced the appointment of an independent high-level V-22 review panel chaired by Marine Gen. John R. Dailey.

16 Test pilot Joe Sweeney flew the X-35C carrier version of the Joint Strike Fighter on its first flight at Lockheed Martin, Palmdale, Calif.

19 The X-32A Joint Strike Fighter completed its first aerial refueling when Cdr. Phillip Yates rendezvoused with an Air Force KC-10A *Extender* over Edwards AFB, Calif.

20 *Nassau* (LHA 4) rescued 29 people adrift in their boat in the Mediterranean.

20 RAdm. James I. Maslowski transferred the Gray Eagle title to VAdm. Arthur K. Cebrowski in a ceremony at the Naval War College, Newport, R.I. The title honors the Naval Aviator on active duty with the earliest designation date.

21 The X-32A Joint Strike Fighter, flown by LCol. Edward Cabrera, USAF, broke the sound barrier over Edwards AFB, Calif.

21 Raytheon Co., Tucson, Ariz., was awarded a \$43 million contract for Lot 1 low-rate initial production of the AIM-9X Sidewinder. A total of 5,000 of the missiles were planned for the fleet over an 18-year production

Major HC Squadron Deployments, 2000



PH3 Crystal M. Brooks

Sailors from Explosive Ordnance Disposal Mobile Unit 5 rappel from a CH-46E *Sea Knight* attached to Helicopter Combat Support Squadron 5 over Orote Point in Santa Rita, Guam.

HELTACWINGPAC

Squadron	Dates	Ship
HC-5 Det 2	Nov 99–Apr 00	<i>Niagara Falls</i> (T-AFS 3)
HC-5 Det 5/5A	Nov 99–May 00	<i>Flint</i> (AE 32)
HC-5 Det 3	Sep 00–Dec 00	<i>Spica</i> (T-AFS 9)
HC-5 Det 6	Sep 00–Nov 00	<i>Essex</i> (LHD 2)
HC-11 Det 3	Jan 00–Jul 00	<i>Bridge</i> (AOE 10)
HC-11 Det 4	Jan 00–Jul 00	<i>Bonhomme Richard</i> (LHD 6)
HC-11 Det 5	Aug 00–Dec 00	<i>Tarawa</i> (LHA 6)
HC-11 Det 2	Aug 00–Dec 00	<i>Camden</i> (AOE 2)
HC-11 Det 1	Oct 00–Nov 00	<i>Rainier</i> (AOE 7)

HELTACWINGLANT

Squadron	Dates	Ship
HC-2 Det 1	*	<i>LaSalle</i> (AGF 3)/Naples, Italy
HC-2 Det 2	*	Manama, Bahrain
HC-6 Det 4	Sep 99–Mar 00	<i>Seattle</i> (AOE 3)
HC-6 Det 7	Feb 00–Aug 00	<i>Wasp</i> (LHD 1)
HC-6 Det 5	Jun 00–Dec 00	<i>Supply</i> (AOE 6)
HC-6 Det 6	Sep 00–Dec 00	<i>Nassau</i> (LHA 4)
HC-8 Det 4	Aug 99–Feb 00	<i>Concord</i> (T-AFS 5)
HC-8 Det 6	Sep 99–Mar 00	<i>Bataan</i> (LHD 5)
HC-8 Det 3	Feb 00–Aug 00	<i>Mount Baker</i> (AE 34)
HC-8 Det 1	Jul 00–Dec 00	<i>Saipan</i> (LHA 2)
HM-14 Det 1	*	Manama, Bahrain
VC-6 Det 1**	Jul 00–Oct 00	<i>Klaking</i> (FFG 42)

* HC-2 Dets 1 and 2 and HM-14 Det 1 are permanently deployed to these locations.

** Unmanned Aerial Vehicle (UAV) squadron.

run.

22 LCDr. Brian Goszkowicz flew the Navy's first flight of the X-35C Joint Strike Fighter at Edwards AFB, Calif.

27 The Department of Defense announced an \$8.6 million award to 19 investigators and organizations to fund their high-energy laser research proposals.

29 Donald H. Rumsfeld, a former Naval Aviator, was nominated as Secretary of Defense.

30 An SH-60B *Seahawk* from HSL-42 Det 8, embarked on board *San Jacinto* (CG 56), participated in the rescue of 11 Yemeni castaways adrift in their boat 60 miles off the coast of Yemen. 