



NATIONAL NAVAL AVIATION MUSEUM **Hands on History**

During the 20th century, commonly called "The American Century," few military organizations played a more crucial role than Naval Aviation. In war at sea, aircraft carriers projected their powerful air wings over vast expanses of water, striking with surprise at enemy fleets and land bases, then disappearing with equal swiftness. In times of peace, the carrier and her battle group provided American political leaders a flexible, always ready and potent way to respond to regional crises wherever and whenever American vital interests were threatened. "Where are the carriers?" has been the first question asked by U.S. presidents at the start of every national security crisis since the end of World War II.

Naval Aviation has also been at the cutting edge of aerospace expeditions from the first successful crossing of the Atlantic by an aircraft, exploration of the Arctic and Antarctic, and journeys of discovery into outer space. The common denominator for those who participated in this exciting history was their training in a sleepy little Southern city on the Gulf of Mexico: Pensacola, Florida, the site of the nation's first naval air station. Since 1914, it was here that the fledglings tested their mettle against the demands of flying aircraft, learning the unique skills required to fly from ships at sea, find distant targets and return to their moving, rolling and pitching "airfield," often in bad weather and frequently at night. It makes perfect sense that Pensacola has a world-class museum to commemorate its place, and that of Naval Aviation, in history. As the largest of 12 official Department of the Navy museums located throughout the United States and the most visited facility in the state of Florida, the National Naval Aviation Museum aboard NAS Pensacola captures the heritage of Naval Aviation and brings its story of challenge, ingenuity and courage to you.

At the core of the Museum's collections are more than 150 aircraft located throughout the facility's 300,000 square-foot exhibit space and outlying 37 wooded acres. These aircraft include record-setting models like the NC-4 flying boat, the first plane to cross the Atlantic, as well as combat veterans such as an SBD *Dauntless* that flew at the Battle of Midway and an A-7 *Corsair II* that logged missions over Iraq during Operation *Desert Storm*. Though the planes are the largest of the Museum's relics, they are just one dimension of the collection. More than 4,000 uniforms, flight gear, weaponry, medals and decorations add a personal touch to the story of Naval Aviation, in addition to the Emil Buehler Naval Aviation Library, which houses official papers of prominent Naval Aviators, squadron records and a photograph collection numbering more than 350,000 images.

The National Naval Aviation Museum is recognized as one of the premiere air and space museums in the world, receiving the prestigious American Association of Museums' accreditation in 2002. It is located on board Naval Air Station Pensacola, Florida and is open daily from 9 a.m. to 5 p.m. (closed Thanksgiving, Christmas and New Year's days).

Contact Info

National Naval Aviation Museum
1750 Radford Blvd.
Naval Air Station Pensacola, FL 32508

Weekdays: (800) 327-5002, (850) 453-2389
Weekends: (850) 452-3604 ext. 3131
www.NavalAviationMuseum.org



NATIONAL NAVAL AVIATION MUSEUM Fact Sheet

Design Paul Chen, Architect

Cost Approximately \$30 million

Opening June 8, 1963, in a renovated wood-frame building constructed during World War II with a mere 8,500 square feet available for display

Expansion phases

- Phase I completed in 1975
- Phase II completed in 1980
- Phase III completed in 1990

Annual Visitors

Pre-Ivan: nearly 1 million

Post-Ivan: about 650,000

Number of employees

Approximately 120 (Naval Aviation Museum Foundation and National Naval Aviation Museum)

Number of volunteers

Approximately 400

Building Dimensions

Length: 416 feet

Width: 560 feet

Height: 45 feet 9 inches

Exhibition space

Nearly 300,000 square feet of enclosed exhibit space plus 37 acres outside. It is one of the largest aviation museums in the world.

Special Exhibits

- Four Top Gun Air Combat Simulators
- F/A-18 Motion-based Flight Simulator (15 seats)
- 17 Cockpit Trainers



NATIONAL NAVAL AVIATION MUSEUM Fact Sheet (continued)

Special Exhibits

- Faces of Aviation History
 - Medal of Honor
 - Enlisted Pilots
 - P.O.W. Exhibit
 - Bob Hope
 - Hall of Honor
- Then and Now Frontiers of Aviation History
 - Lighter than Air
 - WWI
 - NC-4
 - U.S. Coast Guard
 - Space
 - Squadron Patches
- World War II and the Age of Carriers
 - USS *Cabot* Flight Deck
 - USS *Enterprise*
 - WWII Aircraft Carrier
 - WWII South Pacific
 - Home Front USA
 - Sunken Treasure
- Underwater Treasures

Artifacts on Display

- More than 150 restored historic aircraft representing Navy, Marine Corps and Coast Guard aviation
- More than 4,000 artifacts
- Memorabilia representing nearly a century of Naval Aviation history, including personal mementos from historic battles, flight logs, vintage equipment and flight clothing

Facilities

- IMAX® Naval Aviation Memorial Theater (seven-story high screen; 535 seats)
- Blue Angel Atrium (accommodates 50 to 1,200 guests)
- Quarterdeck (accommodates 550 standing guests)
- Cubi Bar Café (accommodates 200 guests)
- WestPac Room (accommodates 40 to 65 guests)
- USS *Cabot* Flight Deck (accommodates 500 guests)
- The Flight Deck Store
- Emil Buehler Library and Archives



NATIONAL NAVAL AVIATION MUSEUM Fact Sheet (continued)

Handicap Access

- A large parking area close to entrance
- Free Wheelchair Rentals at Information Desk
- Handicapped accessible restrooms on ground level in the Quarterdeck and West Wing
- All drinking fountains are handicapped accessible
- Two elevators provide access to Mezzanine level
- Ramps at each minor change in level (no steps)
- IMAX® Theater seating area and elevator
- Cubi Bar Café is handicapped accessible

Amenities

- Museum admission is free
- Blue Angels practices and autograph sessions (most Tuesday and Wednesday mornings, March–November)
- Free guided tours
- Self-guided tour information
- Free 20-minute Flight Line Bus tours
- Aircraft Restoration tours
- History Hunt games and prizes
- Flight to Excellence educational program
- Flight Adventure Deck educational program
- 1 ATM

Hours

Open daily from 9 a.m. to 5 p.m.
(Closed Thanksgiving, Christmas and New Year's days)

Location

1750 Radford Blvd.
Naval Air Station Pensacola, FL 32508

Phone numbers

Weekdays: (800) 327-5002, (850) 453-2389
Weekends: (850) 452-3604 ext. 3131

Web site

www.NavalAviationMuseum.org



NATIONAL NAVAL AVIATION MUSEUM IMAX® Naval Aviation Memorial Theater

Facts

- The IMAX® Naval Aviation Memorial Theater is one of the largest IMAX® theaters in the world and has the largest screen in Florida.
- It took two years to construct the theater. It contains 690 tons of structural steel and 1,990 cubic yards of concrete.
- The seven-story high screen is 62 feet high and 82 feet wide with a frontal surface area of 5,084 square feet.
- The screen itself weighs more than 600 pounds and is stretched over a structure called the screen tower, weighing more than five tons.
- The projector passes the large 70mm film at 24 frames per second.
- The film is lifted off the lens and replaced by the next frame. This occurs 24 times per second as the film passes over a three-foot diameter rotor turning at 180 mph.
- The projected image on the screen is magnified 273 times the size of the film frame.
- There are 535 seats in the theater, which is handicap accessible.
- Ticket prices range from \$4.75–\$8.

Films (subject to change without notice)

“Fighter Pilot”

- Synopsis: The closest to air combat you can get without joining the military! On a seven-story screen, filmgoers will witness the awesome spectacle of air-to-air combat and air-to-ground strikes using precision ordinance. See the marvel of modern air combat as you’ve likely never seen it before.
- Show times: 2 p.m.

“Grand Canyon Adventure – River at Risk”

- Synopsis: Combining the grandeur of the Grand Canyon with family fun, this film tells an engaging story of how ordinary people can make a difference for our parched planet. As the expedition journeys down river, audiences will learn about the challenges we face and the many opportunities that exist for conserving and restoring our watersheds. Featuring songs and music by the Grammy Award®-winning Dave Matthews Band.
- Show times: 11 a.m.; 1 p.m. and 3 p.m.

“The Magic of Flight”

- Synopsis: Fly with the Blue Angels and experience the thrill of cruising the skies at Mach speed. From the dawn of manned flight to the modern space shuttle, this film has it all.
- Show times: 10 a.m. and 4 p.m.

“Straight Up! Helicopters in Action”

- Synopsis: Fly along with skilled helicopter crews as they carry out sea and mountain rescues, apprehend drug smugglers, repair high-voltage lines, save endangered animals, deliver humanitarian aid and undertake a military reconnaissance mission.
- Show times: Noon

Hours Open daily from 10 a.m. to 4 p.m. (Closed Thanksgiving, Christmas and New Year’s days)

Phone (888) NAS-IMAX (627-4629) or (850) 453-2025

Website www.NavalAviationMuseum.org

IMAX®
NAVAL AVIATION MEMORIAL
T H E A T R E



NATIONAL NAVAL AVIATION MUSEUM Cubi Bar Café

Opened 1996

Fare Soups, sandwiches, salads and desserts. Most menu items bear names that pay tribute to aviation.

Daily Prices \$3 to \$6

Décor

An exhibit itself, the Café's décor and layout duplicate the bar area of the famous Cubi Point Officer's Club in the Western Pacific, which was a major source of enjoyment for Navy and Marine Corps squadrons, shipmates and units. When the club closed in 1992, more than 1,000 plaques were sent to the Museum to be placed as they were when the club closed.

Dining Experience

Offering everything from Nachos Max and a Steak Pita Pilot to the Fleur-de-lis and a Pacific salad, the menu offers a wide variety of choices. A treat for the more exotic taste buds comes midweek during spring, summer and fall with authentic Pilipino recipes. Chicken Adobo, a delightful combination of slow-cooked chicken in soy and vinegar, garlic-roasted vegetables, Jasmine rice and fresh-baked bread, is served on Tuesdays and Thursdays. Chicken Pancit is on the menu each Wednesday, another Pilipino specialty consisting of rice noodles, chicken and roasted vegetables served with fresh-baked bread.

Catering

Cocktail snacks, breakfast, lunch and dinner menus are available for special events.

Hours

Open daily from 10:30 a.m. to 3:30 p.m.
(Closed Thanksgiving, Christmas and New Year's days)

Location

1750 Radford Blvd.
Naval Air Station Pensacola, FL 32508

Contact

Pam Hallford, Manager
(850) 452-2643 or (850) 452-2543
phalford@navalaviationmuseum.org



NATIONAL NAVAL AVIATION MUSEUM Special Event and Meeting Spaces

The following facilities are available:

Blue Angel Atrium

- 10,000 square feet
- Accommodates 50 to 1,200 guests
- Available during daytime hours and weekends for civilian/military award ceremonies and graduations, military retirements, change of command, winging
- Available in the evenings for cocktail hour and heavy hors d'oeuvres, formal dinners and banquets

Quarterdeck

- Approximately 30,000 square feet
- Accommodates up to 550 standing guests
- Available after-hours only. The perfect place for cocktail receptions immediately preceding dinner or after IMAX® Theater presentation

Cubi Bar Café

- Accommodates up to 130 guests for socializing and casual dining
- Cubi Bar Café also has a private dining area available during daytime and after-hours
- Cubi Bar Café catering is available for daytime functions

WestPac Room

- Located next to the Cubi Bar Café, the WestPac room has comfortable seating for up to 42 guests for luncheons or 65 standing guests for receptions
- Available for daytime use

USS *Cabot* Flight Deck

- Accommodates up to 500 people
- By special request, available after-hours for civilian/military receptions or formal dinners
- By special request, Flight Deck is available for military receptions and graduations during daytime hours

IMAX® Naval Aviation Memorial Theater

- By special request, available for after-hours use
- Special discounted evening shows of our IMAX® movies
- 12,000-watt sound system
- Elevated stage, personalized lighting
- Powerpoint presentation and DVD/CD/VCR equipment available



NATIONAL NAVAL AVIATION MUSEUM Special Event and Meeting Spaces (continued)

Small Theater

- By special request, available during the weekdays after 1:30pm
- 94 affixed theater-style seats
- TV, VCR, projection system and pull-down screen

Radford Lounge

- Available by special request only
- Accommodates 23 people
- Private mess area and restroom
- Projection system and drop-down screen

Contact

Diane Bell or Lenore Taylor
Museum Reservations
(850) 453-2025 or (888) NAS-IMAX
namfimax@navalaviationmuseum.org



NAVAL AVIATION MUSEUM FOUNDATION, INC. **Building a National Treasure**



Founded in 1966, the Naval Aviation Museum Foundation, Inc. is the nonprofit 501(c)(3) educational and fundraising organization that supports the development of the Museum. With nearly 10,000 members worldwide, the Foundation is financially self-supporting through various revenue-generating operations – such as the IMAX® Naval Aviation Memorial Theater and the Flight Deck Store – so that 100 percent of all donations support the development of the Museum and its educational programs.

Membership

Since its inception, the Foundation has raised more than 65 million dollars in support of the Museum – thanks to the generosity and support of many patriotic citizens. Thousands of members help us continue our work and play an important role in preserving this rich element of America's history for future generations.

Education

In fulfilling its educational component, the Foundation offers several programs to the local teaching community, including the Flight to Excellence initiative, which introduces more than 192,000 school children to educational IMAX® movies with accompanying Teacher's Guides, and the operation of the Flight Adventure Deck (FAD). As a collaborative effort between the Foundation and Escambia and Santa Rosa County school districts, the FAD program teaches middle and high school

students the science and math of flight, using interactive displays and devices.

Established in 1996, the FAD is the first step in the implementation of the National Flight Academy, a much bigger vision for providing math and science education to students through the study of aviation. The Interactive Technology Center (ITC) is another facet of the proposed Academy, serving as a prototype, distance-learning classroom that delivers lessons throughout the state via web-based videos-on-demand and live broadcasts.



Honoring the Past

The Foundation has many ways for recognizing the achievements of people who have made a contribution to the history of Naval Aviation. Since its inception in 1979, the Hall of Honor has enshrined more than 70 people representing every element of the Naval Aviation family: Navy, Marine Corps, Coast Guard and civilian and every Naval Aviation warfare community. The Foundation also manages the Charter in Memoriam kiosk and the National Flight Log database.



NAVAL AVIATION MUSEUM FOUNDATION, INC.
Building a National Treasure (continued)

Planned Giving

The Foundation's Planned Giving program is designed for benefactors who wish to donate large gifts that require an additional amount of planning, such as bequests, retirement plans, life insurance, stocks, trusts and estates. There are many variations of these gift options and the benefits of these plans are in the advantages provided toward gift and estate taxes.

Named Gift Opportunities

Created in 1987, the Named Gift Opportunities program provides for a limited number of charitable donors to sponsor various facilities, displays, artifacts, aircraft, spaces and other functional elements of the National Naval Aviation Museum, as well as the proposed National Flight Academy

Special Events

The most significant of the Foundation's events, the Naval Aviation Symposium is hosted each year at the Museum, attracting thousands of visitors nationwide. Other activities sponsored by the Foundation include musical performances and concerts, family-friendly events including Halloween trick-or-treating, Go Fly Zone, Flight Fest and "Hands on History" Paint-a-Plane Day. The Foundation also partakes in several community activities, such as local fairs and festivals, parades, expos and the Blue Angels Flight Demonstration Squadron air shows.

Location

1750 Radford Blvd.
Suite B
Naval Air Station Pensacola, FL 32508

Phone numbers

Weekdays: (800) 327-5002, (850) 453-2389
Weekends: (850) 452-3604 ext. 3131
Fax: (850) 457-3032

Email

namoffice@navalaviationmuseum.org

Web site

www.NavalAviationMuseum.org
www.NavalAviationFoundation.org



NATIONAL NAVAL AVIATION MUSEUM

Interactive Technology Center: A Prototype Distance Learning Facility



What is the purpose of the Interactive Technology Center?

The Interactive Technology Center (ITC) is an addition to the current educational facility at the National Naval Aviation Museum. It serves as both an educational outreach for the existing Flight Adventure Deck (FAD) program as well as the prototype for an expanded five-day educational course for 7th through 12th grade students throughout the state of Florida.

The ITC incorporates distance learning capabilities within the classroom and allows a portion of the science- and mathematics-based middle school curriculum to be exported throughout the State. The ITC houses the video, image and learning systems required to send and receive instructional media, and provides the hardware and technology necessary to export the curriculum as a real-time class or to be archived for later viewing date.

Why is a Distance Learning Facility required?

American students are below the world average in math and science skills. Results of the Third International Math and Science Study found that while fourth-grade students in the United States have standard scores in these subjects (compared to students in other countries), by the time those students reach the eighth grade, their scores fall below the world average. By their final year in high school, U.S. students fall significantly below the world average for math and science.

There exists a critical need to increase:

- The number of students interested in pursuing courses in mathematics and science in Florida's schools.
- The academic performance of students in the subjects of mathematics and science.
- Student awareness of the limitless opportunities afforded through knowledge of science, technology, engineering and mathematics (STEM).
- The quality of instruction in STEM courses through a system of teacher instruction.
- The number of teachers certified and qualified in STEM fields.

The ITC will use the existing Flight Adventure Deck facilities and incorporate distance-learning capabilities with the classroom. This prototype classroom will allow the proven science- and mathematics-based middle school curriculum to be exported throughout the State, along with a forum for teacher workshops.

What is the record of accomplishment of the current education program at the Museum?

The Flight Adventure Deck (FAD) is a 9,000-square-foot facility with interactive devices, educational kiosks, wind tunnels and computer-based flight simulators designed to demonstrate how mathematical and scientific principles are applied in aviation. The facility was built at a cost of more than \$2,000,000 through private funding. The FAD program is an ongoing partnership with the Escambia and Santa Rosa County School Districts, with each school district providing a resident teacher on special assignment to administer the program.



NATIONAL NAVAL AVIATION MUSEUM
Interactive Technology Center: A Prototype Distance Learning Facility
(continued)

Since its inception in 1996, more than 45,000 middle school students have participated in this educational program designed to motivate students to pursue studies and careers in science- and mathematics-related fields.

The current program addresses 51% of the Sunshine State Standards benchmarks in science for 6th through 8th grade students and 69% of the mathematics benchmarks. Measures of effectiveness based on pre- and post-testing of students participating in the Flight Adventure Deck program show a 41.9% increase in subject matter knowledge. The next step is to export this concept to students and teachers across the state through the Interactive Technology Center.

How much did this Distance Learning Prototype cost?

The \$500,000 grant was used for design-consulting services; audio reinforcement systems; video IMAG and distance learning systems; and control systems that provide the real-time and archived capability for distance learning curriculum exportation to public secondary schools throughout the State of Florida.

How many children and teachers across the State of Florida can benefit from the program?

This web-based education program using aviation as the primary motivating theme for instruction in science, technology, engineering and mathematics (STEM) can be made available to every middle and high school student and teacher across the state. Our curriculum is designed to be both synchronous and asynchronous, real-time or archived. Teachers and their students can participate in live discussions with true American heroes such as Captain Gene Cernan, the last man to walk on the moon... or the Governor of the State of Florida, reinforcing the importance of a science- and mathematics-based education.

Why now?

Our need for science, technology, engineering and mathematics education has never been greater. Our nation has a critical need for graduates prepared to enter the technology-intense workforce of the twenty-first century. Florida, with this state-wide program, can serve as an example and be the leader in STEM-based secondary education.

Contact Info

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Director of Education

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