



# Intrepid

## ADVANCEMENTS

AN EXCLUSIVE NEWSLETTER FOR MUSEUM SUPPORTERS



*Enterprise* passes over *Intrepid*, heading for JFK.



*Enterprise* rides on a barge up the Hudson River.



U.S. Army Corps of Engineers photo by Dan Desmet

*Enterprise* being craned onto the Flight Deck of *Intrepid*.

## Enterprise's Journey to Intrepid

In April 2011, when NASA announced the Intrepid Sea, Air & Space Museum would receive OV-101, better known as space shuttle *Enterprise*, it was a seminal moment in our history. *Enterprise* completes our collection of major technological achievements: "Sea," represented by the aircraft carrier *Intrepid* and submarine *Growler*, "Air" by our collection of 27 aircraft including a Blackbird spy plane and a British Airways Concorde, and now the space shuttle *Enterprise* added to the Soyuz spacecraft in our "Space" collection.

On April 27, 2012, *Enterprise* arrived via 747 at John F. Kennedy International Airport, where she stayed under a de-icing tent until June 1. She was then rolled to a near-water location and craned onto a barge. On June 3, the barge, towed by a tugboat, traveled a scenic route along the shore of Queens and Brooklyn, passing the Gil Hodges Memorial Bridge, Coney Island, and under the Verrazano Bridge before docking in Port Elizabeth, NJ, where she remained for two nights to undergo final preparations.

Cheering crowds lined the west side of Manhattan on June 6 as *Enterprise* made a grand entrance traveling up the Hudson River, past the Statue of Liberty and World Trade Center site, and finally arriving at *Intrepid* to begin the five-hour process of being craned onto the Flight Deck.

Over the next seven weeks *Enterprise's* new home, the Space Shuttle Pavilion, was constructed. Never before had a tent bubble been blown-up over a space shuttle. Completed on schedule on July 19, the grand opening of the Pavilion was attended by an exuberant crowd.

Museum President Susan Marenoff-Zausner welcomed visitors and invited guests, including nine NASA astronauts. Major General Charles Bolden, Jr., NASA Administrator, Mr. George Fertitta, CEO of NYC & Company, and Museum Board Co-chairmen, Mr. Kenneth Fisher and Mr. Bruce Mosler participated in the welcoming ceremony.

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## Enterprise Collections Bring Shuttle to Life

By Jessica Williams, Curator of History

With the arrival of the space shuttle *Enterprise*, the Museum's curatorial and collections team has begun collecting objects and archival materials associated with this prototype orbiter. New artifacts enhance our ability to interpret the history and significance of *Enterprise*. In particular, small, personal items allow us to highlight the many human stories behind the shuttle.

Long before NASA retired the space shuttles, the Intrepid Museum had a small collection of shuttle-related items, thanks to a historical connection between *Intrepid* and *Enterprise*. In 1961, naval aviator Richard H. Truly served with fighter squadron VF-33 on board *Intrepid*. Sixteen years later, Truly piloted *Enterprise* during the shuttle Approach and Landing Tests. Years ago, Truly donated items significant to his *Intrepid* service, such as a Navy "E" certificate, as well as his NASA career, including a helmet worn while flying *Enterprise*. These important artifacts are at the core of our *Enterprise* collection.

Over the past year, several individuals have generously given *Enterprise*-related items to the Museum. Robert Dilts donated an extraordinary collection of material from the early period of space shuttle development and testing. Dilts was a technician for Rockwell International, the firm that constructed *Enterprise*. His donation includes a series of photographs and documents chronicling *Enterprise's* 38-mile overland move from Rockwell's assembly facility in Palmdale, California, to NASA's Dryden Flight Research Center in 1977. Other items include press kits and newspaper articles related to the carefully-planned move, which took twelve hours.

In addition to receiving donations, the Museum actively seeks *Enterprise*-related artifacts. These include pop-culture items such as a 1977 lunch box decorated with dramatic images of *Enterprise* in space, even though she was used for atmospheric testing. The Museum recently purchased a NASA helmet, possibly from a T-38 pilot,

which is decorated with images of Snoopy, NASA's safety mascot. The T-38 Talon is the chase plane for all shuttle flights and ensures the shuttle's safety during flight.

Our growing *Enterprise* collections will allow visitors to examine original objects and documents that illuminate the shuttle's history. The Museum intends to exhibit some

items alongside *Enterprise* in her current location early next year, while others will go on display in the shuttle's future permanent home. We hope that our collections will connect visitors with just some of the thousands of people who designed, built, serviced and flew this unique piece of aerospace technology.



A photo shows the space shuttle *Enterprise* on her earthbound journey from Palmdale, California to the Dryden Flight Research Center. Collection of the Intrepid Sea, Air & Space Museum. Gift of Robert Dilts. P2011.48.12



Recent acquisitions include this *Enterprise*-themed lunchbox and thermos, circa 1977. Collection of the Intrepid Sea, Air & Space Museum. 2012.01.03.01 and .02

## STEM Teacher Development Opportunities

The occasion of the grand opening of the Space Shuttle Pavilion, and the presence of NASA exhibits and personnel for the five-day Samsung SpaceFest, gave the Intrepid Museum the opportunity to host teacher training in science, technology, engineering and math (STEM), and highlight the tremendous educational opportunities offered by the Museum in connection to the space program. The free Teacher Professional Development program was attended by more than 260 education professionals from throughout the tri-state area.

The series offered a full-day of programming highlighted by a panel discussion moderated by NASA's Associate Administrator for Education, Leland D. Melvin. Melvin is responsible for the development and implementation of the agency's education programs that strengthen student involvement and public awareness about its scientific goals and missions. In this role, he leads the agency in inspiring interest in STEM through NASA's

unique mission, workforce, facilities, research and innovations.

Melvin was joined in a discussion on the future of space exploration by Jacob Keaton, a NASA International Space Station Policy Analyst, Alan J. Lindermoyer, Manager of NASA's Commercial Crew and Cargo Program, and Jody Singer, Deputy Manager of NASA's Space Launch System Program. The day also included 10 breakout sessions led by leaders in the field of space exploration, all designed to help educators incorporate STEM education into their curriculum.

The space shuttle *Enterprise* provides a tremendous educational opportunity for the community. Through programs like our Teacher Professional Development series, *Enterprise's* impact will continue to reach beyond the walls of the Pavilion and inspire future generations of scientists, engineers and researchers. For more information about educational opportunities at the Museum, visit our website at [www.intrepidmuseum.org](http://www.intrepidmuseum.org).



Astronaut Leland D. Melvin, NASA's Associate Administrator for Education, moderated a panel discussion on the future of space exploration.

## VOLUNTEER HIGHLIGHT: Dina Ingersole

Dina Ingersole has volunteered at the Museum since 2007, starting when *Intrepid* was undergoing restoration in Staten Island. A friend of Dina's flew the A-4 Skyhawk during Vietnam that now rests on *Intrepid's* Flight Deck, and he encouraged her to get involved at the Museum. Dina works closely with Eric Boehm, Curator of Aviation and Aircraft Restoration, and has logged hundreds of hours working to meticulously restore and maintain our collection of 27 aircraft.

Dina resides in Manhattan with her husband Bob, who reports that Dina always returns from the *Intrepid* "covered in dust and grit with a big smile on her face." In addition to her love of naval aviation, Dina is an avid tennis player who coordinates the US Tennis Association's



Museum volunteer Dina Ingersole restoring an aircraft.

volunteers at the US Open, serves as Vice Chair of the USTA Adult and Senior Competition Committee, and runs several USTA National Championships.

*"The Museum's mission to honor, educate, and inspire, is something I take to heart, especially when it comes to the young women and girls who visit. When they see me fixing an airplane, I hope that it encourages them to get involved in engineering and mechanics. Volunteering at the Museum gives me the feeling that I am positively contributing to something I believe in and comes with the added benefit that I'm learning new things all the time!"*

— Dina Ingersole

## Enterprise's Journey to Intrepid

Continued from cover.

Also on board were *Enterprise* astronauts Richard Truly, Joe Engle, and Fred Haise; Gordon Fullerton, unable to travel, was represented by his wife, Marie. These four

astronauts flew *Enterprise* during her five Approach and Landing Test missions in 1977. Fred Haise addressed the hushed crowd, speaking fondly about their

involvement in the first phases of the shuttle program and recounting the exhilaration they experienced in testing the prototype space shuttle orbiter.

In celebration of the opening, the Museum hosted Samsung SpaceFest, a five-day extravaganza on the Pier and throughout the ship showcasing NASA exhibits and educational demonstrations that allowed visitors to learn about current NASA missions destined to take humans to explore the solar system, and NASA research that is improving and enhancing aeronautics. The nine visiting NASA astronauts were on hand to meet visitors, answer questions, and share their experiences in space.

*Enterprise*, sitting just ten feet off the ground, is the centerpiece of the Space Shuttle Pavilion. Visitors can walk directly underneath the 150,000-pound orbiter prototype and view her nose-to-nose from an elevated platform. At 57 feet wide and 137 feet long, *Enterprise* is an imposing figure in her new home.

Surrounding her is a multi-media exhibit of the shuttle program's stories of human triumph and technological achievements. With striking images, descriptive texts, dramatic lighting, and immersive historic videos, the exhibition reveals the ways that the Shuttle Program has added to our knowledge of science, technology, engineering and math (STEM). And a seven minute movie, *Tests of Time* narrated by Leonard Nimoy, tells the story of flight.

While the space shuttle *Enterprise* is a permanent addition to the Museum Complex, the Space Shuttle Pavilion is her temporary home. We are developing plans for a future Science & Innovation Center that will house *Enterprise*, an expanded exhibit of artifacts and educational interactive displays, and a thriving center of STEM education.



Major General Charles Bolden, Jr., Susan Marenoff-Zausner and invited guests at the Ribbon Cutting Ceremony.



*Enterprise* astronauts Fred Haise, Joe Engle, Richard Truly, and Marie Fullerton, representing her husband Gordon.

## FORMER CREW MEMBER HIGHLIGHT:

### Vice Admiral Richard H. Truly

Vice Admiral Richard H. Truly was designated a naval aviator in 1960. His initial tour of duty, Fighter Squadron 33 (VF-33), was aboard USS *Intrepid* and USS *Enterprise*, and he made more than 300 carrier landings.

In 1965, Truly became one of the first military astronauts selected to the Air Force's Manned Orbiting Laboratory program in Los Angeles, California, and transferred to NASA as an astronaut in August 1969. He was the pilot for one of the two-astronaut crews that flew the space shuttle *Enterprise* Approach and Landing Test flights during 1977. His first space flight was November 12-14, 1981, as pilot of space shuttle *Columbia*, significant as the first piloted spacecraft to be reflown in space. He commanded *Challenger* in a 1983 mission, and made the first night landing of the space shuttle.

He was the first commander of Naval Space Command, and served



Richard H. Truly, astronaut, Navy Vice Admiral and NASA Administrator, served as President of the Intrepid Museum in the 1990s.

as NASA Administrator under President George H. W. Bush from 1989-1992. After leaving NASA, Truly became Vice President and Director of the Georgia Tech Research Institute, Georgia Institute of Technology in Atlanta, and later was Director of the National Renewable Energy Laboratory in Golden, Colorado. Truly, who served as Intrepid Museum President in the 1990s and has long supported the Museum's efforts, recently returned to celebrate the opening of the Space Shuttle Pavilion in July.

Truly recently took a moment to answer some questions from the Intrepid Museum team about his incredible connection to the institution.

#### What was your most memorable experience while serving on *Intrepid*?

I was shortly out of flight school with my shiny gold wings when I reported to VF-33 to fly F-8 Crusaders off the deck of *Intrepid*. We spent a huge amount of time at sea during those years, and flying the F-8 off a WWII carrier, day and night, was a huge challenge. I just loved it. After a couple of years, the nuclear-powered *Enterprise* was put to sea, and the Navy moved our entire air group from the smallest deck in the fleet to the largest! After flying off *Intrepid*, *Enterprise* was a piece of cake!

#### What is your proudest accomplishment?

Flying the space shuttle *Enterprise* off the top of the Boeing 747 comes to mind, and so does making the space shuttle's first night landing from orbit in *Challenger*. But honestly, I think my proudest moment was watching America and NASA rise from the depths of despair after the accident in 1986 to a successful return to flight in 1988. Still makes me feel great!

#### Why is the Intrepid Museum important to you personally?

Zachary Fisher, who was personally responsible for saving *Intrepid* and bringing her to New York to continue to serve her country as a museum, had been a close friend during my later years in the Navy and as NASA Administrator. When I departed NASA in 1992, Zach asked me if I would serve as President of the museum, and I said yes. It involved me traveling to New York whenever Zach needed help fundraising, either by speaking at events aboard the ship or traveling around the city and state with Zach, convincing people to support the museum's efforts, particularly in education. For me, it was the perfect opportunity to pay back for all the fun I had flying Crusaders off her deck in the early 60s!

## DONOR HIGHLIGHT: Wright “Lefty” Lewis

Wright “Lefty” Lewis has been supporting the Intrepid Museum since he sailed aboard *Intrepid* when she returned to Pier 86 after her restoration in 2008. And really, he has been supporting us since 1958, when he served on the USS *Intrepid!* Lefty graduated from Newton (Mass.) High School in 1951 and Cornell University in 1955.

He joined the Navy in 1956, serving aboard *Intrepid* from 1958-59. In 1961, he graduated from Harvard Business School and began a career as a broker and specialist on Wall Street. Lefty now resides in Stowe, VT, with his wife Joyce.

They supported Project Enterprise with gifts in honor of each of their six grandchildren, all of whom are now recognized in the Space Shuttle Pavilion with their own stars. In recognition of his dedication to the Fighting “I”, Lefty’s family recently dedicated a Seat of Honor in his name in the Museum’s Allison



Wright “Lefty” Lewis

and Howard Lutnick Theater. The seat will be unveiled at the Seats of Honor Dedication Ceremony on Veterans Day.

*“It is so important to share with generations that follow the sacrifices that so many men and women have made aboard this mighty craft—and what for? For the freedom and liberty that they have—every day of their lives, for endless years to come. The story of the Fighting “I” will live on!”*

– Lefty Lewis



### Sponsor A Star

With your support, we will build a permanent home for the historic space shuttle *Enterprise*. Her new home at the Intrepid Museum will celebrate *Enterprise*’s illustrious history and create a thriving center for science, technology, engineering and math education programs designed to inspire future scientists, engineers and researchers. With a donation of \$250 or more you may sponsor a star. Your star will be prominently represented in *Enterprise*’s temporary exhibition pavilion and in her future permanent home.

Join *Enterprise* on her next journey by making a donation via our website ([intrepidmuseum.org](http://intrepidmuseum.org)) or by calling Lorraine LaHuta at 646-381-5270.

INSCRIBE. HONOR. INSPIRE.

## SEATS of HONOR

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### Honor Your Hero

Reserve a personal Seat of Honor in the Intrepid Sea, Air & Space Museum’s Allison and Howard Lutnick Theater.

Honor an American military service person’s contribution to our nation through the Seats of Honor special theater seat naming program. Honor a family member or friend who served and create an enduring link to our nation’s proud military history of heroism and freedom.

Special discount available to USS *Intrepid* and *Growler* former crew members.

Dedication ceremonies occur twice a year, on Memorial Day and Veterans Day. For more information contact Carly Goettel at [cgoettel@intrepidmuseum.org](mailto:cgoettel@intrepidmuseum.org) or 646.381.5279.

## Intrepid Museum Appoints New Co-chairmen

Mr. Bruce Mosler, Chairman of Global Brokerage at Cushman & Wakefield, and Mr. Kenneth Fisher, Senior Partner of Fisher Brothers and nephew of founder Zachery Fisher, were elected Co-chairmen of the Intrepid Sea, Air & Space Museum in April.

In a recent op-ed in the *New York Post*, penned by the Co-chairmen, they expressed their views about the Museum:

“Three decades later — and with the addition of more than 27 aircraft, the *Growler* submarine, the *Concorde* and, most recently, the space shuttle *Enterprise* — the Intrepid Sea, Air &

Space Museum has powered the resurgence of the Hudson River Waterfront as a destination for tourists and locals.

*Intrepid* has also become a living classroom for education in science, technology, engineering and math, with thousands of school children from around the world learning from a curriculum that challenges them to expand their minds and dream big.

And *Intrepid* serves as a stage to tell the story that Zachary Fisher envisioned: that of our service members’ heroism and the human value of their work on our behalf.”



Mr. Bruce Mosler

Mr. Kenneth Fisher

The Board of Trustees and staff of the Museum thank them for their leadership and vision for the future.

## 2012 Salute to Freedom a Success

On May 24, the Intrepid Sea, Air & Space Museum held the 2012 Salute to Freedom honoring the brave men and women of the United States Armed Forces who serve in defense of our nation.

Museum President Susan Marenoff-Zausner noted that the Museum was celebrating its 30th anniversary of honoring our heroes, educating the public and inspiring our youth, and presented a 30th Anniversary video highlighting the incredible growth of the Museum.

The Honorable Leon E. Panetta, Secretary of Defense, was recognized for his leadership in service to our country with the 2012 Intrepid Freedom Award.

Mr. Jamie Dimon, Chairman of the Board and CEO of JPMorgan Chase & Co., was honored for his

leadership, charitable activities and support of the military and veterans communities with the 2012 Intrepid Salute Award.

The first-ever Salute to Women Award was presented to the Honorable Gabrielle Giffords, a truly incredible woman who continues to inspire millions with her triumphant spirit. Her Chief of Staff spoke Giffords’s moving words of acceptance, but the audience was brought to their feet in an ovation of appreciation when she herself ended the remarks by saying that when her husband leaves for work in the morning, she tells him to “Fight, fight, fight!” It was truly a stirring moment.

Country music superstar Trace Adkins, gave a poignant performance of the national anthem and performed several of his hits.



The Honorable Gabrielle Giffords recipient of the Salute to Women Award and Museum President Susan Marenoff-Zausner.

Mr. Kenneth Fisher, incoming Co-chairman of the Museum, presented outgoing Co-chairmen Mr. Charles de Gunzburg and Mr. Richard Santulli with models of the space shuttle *Enterprise* carved from an original piece of wood from *Intrepid*’s Flight Deck. Mr. Fisher expressed his heartfelt thanks for both de Gunzburg and Santulli’s tireless work over the past six years.

As the Museum looks towards the future, it is also important to recount the past, honoring the unique fabric of people that brought the Museum to this pivotal moment in its 30 year history.



2012 Salute to Freedom in the Hangar Deck of *Intrepid*.

Save the Date! The 22nd Annual Salute to Freedom Gala will take place during Fleet Week 2013, which runs from May 22-May 28, 2013.



For more information, please contact the Office of Institutional Advancement at 646-381-5201 or [support@intrepidmuseum.org](mailto:support@intrepidmuseum.org)

[INTREPIDMUSEUM.ORG](http://INTREPIDMUSEUM.ORG)



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