The Intrepid Sea, Air & Space Museum Complex offers one-of-a-kind educational experiences for the general public and for students in New York City and nationwide. Built in 1943, the former USS Intrepid and its crew have a distinguished history of service in times of war and in times of peace, including tours of duty in both World War II and Vietnam, and as a NASA prime recovery vessel. In 1982, the USS Intrepid became a non-profit museum. Driven by its mission to honor our heroes, educate the public and inspire our youth, this unique National Historic Landmark is dedicated to promoting the awareness and understanding of history, science and service through its collections, exhibitions and programming. Located on the Hudson River, the Complex hosts more than one million international, national and local visitors annually.
New Additions to Space Shuttle Pavilion

With the reopening of the Space Shuttle Pavilion in July, visitors not only get to experience Enterprise up close again, but they are also treated to many notable exhibition enhancements. These additions include a larger viewing platform, newly developed educational content, and most prominent of all, the addition of amazing artifacts related to Enterprise.

A new exhibit highlights scientific achievements through examples of spinoff technologies of the Space Shuttle Program. Air purifiers, aerodynamic enhancements for trucks, and medical research devices seem commonplace in our lives but were first designed for application in human spacecraft.

Artifacts associated with the space shuttle Columbia accident investigation introduce visitors to technological research methods. After the Columbia tragedy in 2003, engineers sought to determine the cause, but also to develop a solution to prevent future accidents. An artifact display tells a large part of the story, and Enterprise itself still bears the scars from this testing.

Artifacts also highlight the influence of Enterprise on popular culture. In the late 1970’s space shuttle-themed lunch boxes, model kits, and other toys helped to spark the imaginations of future space explorers.

Museum visitors now experience more about the history of the space shuttle through a display of early concept wind-tunnel models, which represent the genesis of a design that would ultimately become the orbiter vehicle we now recognize.

The largest artifact in the new Pavilion, aside from Enterprise itself, is a flown spacecraft. The Russian Soyuz TMA-6 launched into space on April 15, 2005, and docked with the International Space Station (ISS) two days later. That October, after orbiting Earth 2,817 times, it returned to a safe landing in Kazakhstan carrying the Russian cosmonaut Sergei Krikalev, the American astronaut John Phillips, and the American spaceflier participant Greg Olsen. Olsen, an entrepreneur and inventor, was the third private citizen to orbit Earth on the ISS, and the Soyuz spacecraft is on exhibit thanks to his generous support.

This is by no means the final display configuration for the Space Shuttle Pavilion. The curatorial and collections staff are constantly seeking additional exciting objects for acquisition, so look for updates in the future and plan your next trip to the Museum today!

Space shuttle instruments on exhibit are identical to those used on Enterprise during its flight test career in 1977.

Science Summer Camp at Intrepid

Incoming Stuyvesant High School sophomore Audrey Lee said recently that she had a summer of “firsts” at the Intrepid Museum. In the spring, as a graduating middle school student in Queens, she applied to the Museum’s free science, technology, engineering, and math summer camp called GOALS (Greater Opportunities Advancing Leadership and Science) for Girls. She had her first ever interview and was accepted into the program. Through the GOALS program, Audrey became friends with girls from all over New York City, met women scientists, took field trips to institutions like Columbia University’s Pupin Astrophysics Lab, conducted experiments, built robots and kayaked on the East River.

The GOALS program enables young women to ignite their passion for science and learn about exciting opportunities from prominent women who devoted their education and careers to STEM fields (Science, Technology, Engineering and Math). In August, 48 young women entering 9th and 10th grade this fall completed the six week science summer camp. Intrepid Museum Camp directors Shihadah ‘Shay’ Saleem and Zakia Grant facilitated more than 20 activities, coordinated and chaperoned six fieldtrips, organized five Youth Leadership Conferences, welcomed seven guests for workshops, rocked out during one extraordinary talent show and open house with parents, and enjoyed an overnight slumber party onboard Intrepid.

In a recent interview, Lee described highlights of her Camp GOALS summer, “We made hot air balloons at the Intrepid, visited the American Museum of Natural History, and went to an engineering workshop at Rutgers University. We caught and released sea creatures in Jamaica Bay, and even designed and made clothes. My favorite activity: a guided tour of the space shuttle Enterprise, where we learned what it’s like to be in space.”

All graduates of the GOALS program are invited to join previous GOALS summer camp alumnae for Science Weekends throughout the school year. The program is dedicated to building ongoing mentoring relationships between Museum staff and GOALS students through its year-long Science Weekends, an internship program, as well as ongoing college readiness training.

The GOALS program was launched in 2008 with a grant from the Motorola Solutions Foundation. The growth and impact of the program has been made possible through their ongoing support and the generous support of the Velaj Foundation, the Claire Giannini Fund and the New York Community Trust. Now in its fifth year, GOALS is seeing results as our graduates report that they have pursued careers in the sciences in college, working toward making the gender gap in the sciences a thing of the past.

One of the new exhibit cases in the Space Shuttle Pavilion highlights Enterprise’s impact on popular culture.
Intrepid Celebrates 70 Years

Continued from cover.

More than 250 former crew members attended the 70th anniversary celebrations.

histories that touch on the Museum’s three areas of focus: sea, air and space.

During Homecoming Weekend, Museum staff interviewed nine Intrepid former crew members—six of whom are Intrepid plankowners (members of the ship’s commissioning crew). They shared harrowing stories of combat as well as humorous shipboard antics. Sverre Bach, who flew from Intrepid as a fighter pilot during World War II, described the awe-inspiring feeling of flying over Pacific islands as naval battles that changed the course of history unfolded below his feet. These interviews form the start of a rich oral history collection that will include Intrepid and the other major artifacts of the Museum, and will help enhance our exhibits and education efforts.

The wealth of knowledge imparted in these interviews was not the only history shared that weekend. More than 50 individuals donated Intrepid-related artifacts and memorabilia to the Museum’s permanent collection. The donations represent the ship’s entire Navy career, including uniforms, scrapbooks, film footage, medals, and photographs. Highlights include a sailor’s World War II log book, 20 reels of Vietnam-era film, and audio recordings from a shipboard radio show. Additional donations continue to arrive. Elaine Charnov, Vice President of Exhibits, called the wealth of artifacts received a “game changer for the wealth of artifacts imparted in these exhibits and education efforts. Our community to gather as we honor our veterans—Intrepid’s service continues on as a center of education and inspiration, and will do so for many years to come."

Benedict helped run the family farm while his older brothers served in the Army, and in 1958 he enlisted with the U.S. Navy and reported for duty on board Intrepid. Benedict was first assigned to B Division in the Engineering Department and then to No. 2 Boiler Room. The conditions were hot and loud—the boiler room generated steam that was used throughout the ship, from the steam-powered turbines that propelled the ship, to steam catapults that launched airplanes and steam presses for ironing uniforms. A few weeks later, a position opened for a Yeoman for the Engineering Department, and he moved “upstairs” where he was responsible for upkeep of the Hull Records and assisted in inspecting the ship for maintenance issues.

Though Benedict served on board Intrepid during peacetime (October 1958–July 1961), it was still a very dangerous place for the crew. On April 25, 1961, steam lines in a fire room ruptured, and steam registering 800 degrees sped into the 2nd and 3rd decks. As Benedict and his crew evacuated the area, he heard a cry for help. Realizing that a crewmate was trapped in the Admin Office, Benedict crawled on his hands and knees in treacherous conditions and succeeded in rescuing the trapped sailor. Commanding Officer J. Lloyd Abbott, Jr., praised Benedict’s “outstanding display of bravery” in a Letter of Commendation.

Benedict transferred from Intrepid a few months later and went on to have a 17-year career in the Navy, including a post in Christchurch, New Zealand, as part of Operation Deep Freeze, where he assisted the National Science Foundation with their research in Antarctica. As a young boy growing up in upstate New York, the farthest he ever traveled from home was to Niagara Falls. By the time he retired from the Navy, he had visited 32 countries—even welcoming his first son in Nice, France, where he was homeported with his wife Joyce.

When Benedict looks back on his Navy career, he thinks of Intrepid as his first love—it was his first ship, after all. “A lot of stories happened here, and no two are alike.” The Museum is thrilled to announce that David Benedict’s story will soon be included in our oral history project, when it travels to New York in November.
DONOR HIGHLIGHT
Cantor Fitzgerald & Bridget Moynahan

Each September 11, the investment bank of Cantor Fitzgerald and its affiliate, BGC Partners, commemorate the USS Cantor employees lost in the 9/11 World Trade Center attacks by hosting a charity day and donating all revenues raised on the day to charities around the world. For the fourth year in a row, Cantor selected the Intrepid Museum to participate.

In the aftermath of 9/11, the FBI requested use of the Museum, which offered a unique combination of a secure site with land, sea, and air access and an easy approach to Ground Zero, as an emergency operations center. Over several weeks, 500 FBI agents and other law enforcement operated from Intrepid night and day, launching the initial investigation into the attacks, fielding half a million phone calls, and compiling important intelligence.

While Intrepid retired from active duty in 1974, the ship was proud to serve our country once again and play a role in our nation’s response to the attacks.

This September 11, actress Bridget Moynahan served as the Museum’s ambassador at Cantor’s charity day. Making phone calls to clients and chatting with brokers to facilitate deals, Bridget worked alongside fellow actors, Julianne Moore, Billy Crystal, Whoopi Goldberg and Jamie Foxx to raise more than $12 million on behalf of 40 participating charities.

Bridget, who currently stars on CBS’s Blue Bloods, has long been a fan of the Museum. “The Intrepid Museum provides the public with so many invaluable history lessons and was a haven during one of our nation’s worst tragedies. It was a privilege for me to help give back to the Museum while honoring some of the men and women we lost on 9/11.”

INSCRIBE. HONOR. INSPIRE.
SEATS OF HONOR
HONOR A HERO, COMMEMORATE A SPECIAL CONTRIBUTION

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 theater seating 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.

Seat reservations, including a solid brass seat plaque and personalized inscription, are offered at $2,500 per seat. A special rate of $1,250 is available through December 31, 2013, for former crew members of the USS Intrepid and Growler.

Dedication ceremonies occur twice a year on Memorial Day and Veterans Day. For more information visit www.seatsofhonor.org or call 1-800-223-0062.

Stay connected! Follow us on Facebook and Twitter, and email us at support@intrepidmuseum.org to receive email updates and invitations.

Intrepid Education Department Receives High Praise

This summer, the Museum received two awards acknowledging achievements in the field of museum education: the Center for Interactive Learning and Collaboration (CILC) Pinnacle Award and an award from the New York City Department of Education as part of their Teacher Education for Advanced Science Preparation (TEASP) initiative.

The Pinnacle Award from CILC is presented annually to organizations delivering outstanding K-12 grade standards based interactive videoconferencing programs. Since July 2012, the Museum has delivered programs to schools in New York State, New Jersey, Vincenza, Italy, Tjabb, Australia and Bitburg, Germany.

The TEASP award was presented in recognition of the Museum’s Professional Development programs. Each spring, teachers participate in full-day science-focused workshops, which give teachers the platform to deliver unique science-based lessons they can then tie to their classroom curriculum. This year, 6th to 8th grade educators were asked to participate in a workshop testing the water quality of the Hudson River. Ultimately this exercise allowed teachers to engage in scientific experiments, facilitating discussions of chemistry and the sociological study of how the Hudson River affects local communities resulting in an interdisciplinary approach to teaching. All lessons were written, designed and facilitated by Museum Educators.

Become a Museum Member!
Membership at the Intrepid Museum comes with fantastic benefits, like unlimited Museum admission and exclusive after-hours Member Open Houses—and it also provides vital support for our innovative education programs and exhibits. To find out more information, or to renew your membership, please visit www.intrepidmuseum.org/membership or call 646-381-5030.

VOLUNTEER HIGHLIGHT
Elyse Richardson

Elyse Richardson began volunteering at the Museum in the fall of 2010 and has become an invaluable member of the Intrepid team. Her first trip to the Museum was as a young child, where an interest in military history was ignited.

Born in Manhattan, Elyse graduated from Cornell University and now works for Quidsi, the parent company of soap.com. While managing a successful career, Elyse found herself wanting to give back to her community, and she immediately thought of the Intrepid Museum and how much she enjoyed her visits as a child.

From assisting with events like SpaceFest to greeting guests and fielding questions as they arrive at the Museum, Elyse always has a welcoming smile that seeks to especially engage our younger visitors—visitors filled with wonder at the sheer scale of the Museum who often remind Elyse of herself.

“Stepping onto Intrepid is like stepping into history. To see the wonder in visitor’s eyes as they take in the feats of engineering that made Intrepid, Growler, and Enterprise possible—it’s truly inspiring.”
—Elyse Richardson

Are you interested in volunteering at the Intrepid Museum? Contact our Volunteer Hotline at 646-381-5058 or email us at volunteers@intrepidmuseum.org.
In this issue:

01 Intrepid Celebrates 70 Years

02 New Additions to Space Shuttle Pavilion

03 Science Summer Camp at Intrepid

05 Former Crew Member Highlight: David Benedict

06 Donor Highlight: Cantor Fitzgerald and Bridget Moynihan

07 Intrepid Education Department Receives High Praise/Volunteer Highlight: Elyse Richardson