The Intrepid Museum will be hosting its annual Fleet Week celebration this year from May 26 – June 1 at her home at Pier 86.

This year’s events will be hosted by the Intrepid Museum, the City of New York, the U.S. Navy and the Fleet Week executive steering committee. Please make sure to visit our event calendar online at www.intrepidmuseum.org for the most up-to-date information and schedules.

**Fleet Week NYC • 2010**

**This year’s program includes the following events to be held at the Museum:** (subject to change)

**Wednesday, May 26**
The Parade of Ships makes its way up the Hudson River.

**Wednesday, May 26 - Tuesday, June 1**
Military displays and performances on Pier 86, along with educational demonstrations.

**Monday, May 31 – Memorial Day Ceremony**
The ceremony includes unfurling a 100-foot American Flag on the Flight Deck of Intrepid, followed by a three-volley rifle salute, the playing of Taps and a military flyover.

**The following ships are scheduled to be part of this year's celebration:**

- USS Iwo Jima (LHD 7)
- USS James E. Williams (DDG-95)
- USS Monsoon (PC-4)
- USS Philippine Sea (CG 58)
- USS Squall (PC-7)
- USS Tempest (PC-2)
- USCGC Abbie Burgess (WLM 553)
- USCGC Campbell (WMEC-909)
- USCGC Katherine Walker (WLM 552)
- HMCS Athabaskan (DDG 282)

**Extended Museum Hours:** May 26 – June 1

**WEDNESDAY, MAY 26: 10:00 AM - 5:00 PM**
(Early closure due to event)

**THURSDAY, MAY 27: 10:00 AM - 3:00 PM**
Top Gun movie showing on Flight Deck at sunset, doors open at 7:30 PM.

**SATURDAY, MAY 29: 9:00 AM - 8:00 PM**
Visiting ships at Pier 88 are closed to the public

**SUNDAY, MAY 30: 9:00 AM - 8:00 PM**

**MONDAY, MAY 31: 9:00 AM - 8:00 PM**

**TUESDAY, JUNE 1: 10:00 AM - 5:00 PM**

Final entry and ticket for each day will be sold 1 hour prior to the posted closing.

**NICoE to Open in June**

Medical experts believe that due to the nature of combat operations in Iraq and Afghanistan, TBI is much more prevalent in these modern conflicts than it has been in the past. It is clear that better care for TBI patients is needed, and deserved by, our brave servicemen and women.

Though more funds are still needed for late construction adjustments and additional medical equipment, NICoE will open its doors and begin treating patients in June. It is our duty as Americans to make this resource available as soon as possible to the brave men and women who sacrifice for our nation and because of the generosity of our donors, we are able to do that.
Dear Member,

With the winter behind us, Intrepid has wrapped up another season of fantastic events. Our annual Kids Week was a big hit with kids of all ages, and I hope you all enjoyed our Kids Week Member event. Intrepid was honored to welcome home the Legends of Aerospace Tour on March 13 with such aviation pioneers as Neil Armstrong, the first astronaut to walk on the moon; SR-71 Chief Test Pilot Bob Gilliland; and the last Air Force Pilot Ace Steve Ritchie. I hope you were able to attend this memorable event. April 1 brought the Chol Hamoed Family Festival, with a special musical performance by Sruly Williger and record crowds. April also saw Scout Days and Earth Weekend, which were attended by many.

There is always something new at Intrepid, including the new temporary exhibit “27 Seconds,” which opens in June, focusing on the heroism of those who perished in the tragedy of the first Apollo space mission, and the lessons learned from the experience. Having recently completed construction, the Intrepid Fallen Heroes Fund is poised to open the doors of the National Intrepid Center of Excellence (NICoE) on the Navy Campus at Bethesda, Maryland. The advanced facility is dedicated to research, diagnosis and treatment of military personnel and veterans suffering from traumatic brain injury (TBI) and psychological health. The center will provide much needed care to our service men and women, a critical part of the mission of the Museum and the Intrepid family of foundations.

In May, Intrepid will once again proudly serve as host of New York’s annual Fleet Week festivities. Fleet Week 2010 begins Wednesday, May 26 and runs through Tuesday, June 1. Fleet Week will feature the ever popular Tug of War and our annual Memorial Day ceremony. Please check our web site for details on a Fleet Week filled with activities. We do hope you’ll join us.

As you have probably seen in the press, the campaign to bring a space shuttle to New York City is hotter than ever, and we continue to need your support. Don’t forget to sign our petition to bring a shuttle here to New York and the Intrepid Museum at www.shuttle2nyc.com

Each new event brings more visitors to the Museum and with them, more Museum members. To those of you among us who are new, welcome aboard! We appreciate your joining the Intrepid crew and invite your feedback on programs, events and exhibits. Our membership continues to grow under the leadership of Membership Manager, Christine Goonan, and we strive to continue to bring you more programming and events every day.

Enjoy the warm weather and I hope to see you all soon.

Sincerely,

Susan Marenoff
Executive Director
The Apollo 1 Tragedy
On display June 12 to November 21, 2010

Astronauts Virgil "Gus" Grissom, Edward White and Roger Chaffee

This special exhibit tells the story of the 1967 Apollo 1 tragedy when, during routine tests, fire engulfed the command capsule and took the lives of astronauts Virgil "Gus" Grissom, Edward White and Roger Chaffee. Through rare photographs, artifacts and narrative, the exhibit explores this pivotal event, which riveted the attention of a heartbroken nation, set new standards of heroism and service to our country and changed the course of space exploration in America.

The exhibition also explores Intrepid’s role in the U.S. space program through words and photographs, including one of astronaut Scott Carpenter walking past the area that now serves as the Museum’s Special Exhibition Gallery, where “27 Seconds” will be on display.

Intrepid will offer unique programming specific to the “27 Seconds” exhibit throughout the summer. This will include special tours for school groups, activities for Scout groups, Weekend Family Programs specific to the exhibit and Access Programs for visitors with special needs.

In addition, “The Power of One,” Intrepid’s free eminent speaker series for the NYC Department of Education, will feature guests who will speak to the evolution of improved safety in the Space Program, as well as the courage and vision of American astronauts.

Please visit www.intrepidmuseum.org for more information about this special exhibit and details about additional programs.
Aircraft Lights

Daniel Williams, Membership Coordinator

The planes on the Hangar Deck now shine just a bit brighter! Our aircraft restoration team recently restored lights on the Avenger, Fury, HUP and Skyhawk aircraft. All aircraft and marine vessels, both military and civilian, operate under the same universal standard lighting system. These international conventions ensure that all countries adhere to the same conditions, creating a standard which avoids confusion and maintains compliance issues. The only difference would be with military aircraft and marine vessels, which have an added assortment of lights for carrier landing and formation flying.

Here’s a look at the types of lights used on aircraft and their purpose:

Navigation/Running Lights: Red right-of-way lights are mounted on the port wing tip and a green light is mounted on the starboard wing tip. These help aircraft on a collision course to determine who has the right-of-way. A white navigation light is located as far aft as possible on the tail.

Formation Lights: Lights are mounted on the fuselage, wings and vertical fin and indicate the aircraft’s position and altitude during military formation flying. On more modern aircraft, a phosphorescent light bar is used which glows green.

Anti-Collision Beacons: Located on the center line of the fuselage both on the top and bottom of the plane, these lights are red and rotate to make them more visible. Their purpose is to alert the ground crew that the engines are running.

Taxi Lights: A very bright white light located under the plane in various places, its purpose is to light up the taxiway and runway immediately in front of the airplane, much like the headlights on a car.

Takeoff/Landing Lights: These extremely bright white lights are used when taking off and landing. They are also found under an airplane in groups or clusters, usually on the nose and main landing struts.

Spring Events at Intrepid

June 13
Antique Police Car Show
Check out some classic cars from the NYPD!

June 20
Father’s Day
Come celebrate aboard Intrepid. Visit our web site for special offers for dad!

May 15 & June 19
Intrepid Investigators
Join us as we bring to a close the Investigators season with our last two Saturday Family Programs of the year — “Will It Sink Or Float?” and “Spaced Out Mission!” Meet your Educator at the Globe in the Exploreum. The program lasts for 1 1/2 hours at 11 a.m. and 1:30 p.m. Advance registration of one week is required. For more information, call 646-381-5166. FREE to Museum Members with advance registration.

May 26 – June 1
Fleet Week 2010
Celebrate at Intrepid and enjoy special musical performances, military demonstrations, athletic competitions and more!

June 10
Brooklyn/Queens Day
Show your Brooklyn and Queens pride during this festive day.

June 12
“27 Seconds” exhibit opens
Please stay tuned for our special Members-only preview of the exhibit.

Café facilitator conducted the group in an unforgettable, interactive drumming experience. A team of world-class musicians led members in an interactive drumming harmony. To learn more about the Drum Café, please visit them at www.drumcafe.com

During Kids Week, the Museum also hosted fun-filled, hands-on activities with our partners – the New York Mets, Ringling Bros. and Barnum & Bailey Circus, Madame Tussauds, Broadway Performances and NASA. We hope you’ll join us for even more fun this spring!
Interactive Video Lesson Program for Students

Kerry McLaughlin, Manager, Educational Initiatives

Through a federal grant and private funders Entergy and Verizon, the Education Department has relaunched Virtual Investigations video conferencing programs.

These interactive video lessons between Museum Educators and students in grades K-12 are conducted using green-screen technology, allowing Museum Educators to “report” from various areas of the ship and share photographs and artifacts between Intrepid and a remote classroom.

These programs, focused on aviation, geography and life aboard Intrepid, allow Museum Educators to connect to a multitude of student groups, broadening Intrepid’s reach beyond the five boroughs of New York City. So far, we have shared Intrepid’s story with schools in Michigan, Texas and Oklahoma, as well as Rockland and Onondaga Counties in New York State. By the end of the school year we will have added schools in New York City as well as New Jersey to this impressive list.

Additionally, video conferencing has been a huge help in expanding our leadership programs, particularly our spring series of Power of One events. Through a generous grant from the Intelius Corporation, the Education Department is about to complete its third sponsored event.

More than 400 students have heard from dynamic speakers whose inspiring stories supplemented themes on view in Intrepid’s temporary exhibits, “Snoopy as the WWI Flying Ace” and “Mission to Mars.”

On May 20, heroic Vietnam pilot and POW survivor Dave Carey will round out the Intelius Power of One series by speaking to 220 students about his incredible ordeals during the Vietnam War. Power of One programs connect young people with speakers from a variety of backgrounds and professions who have overcome adversity and challenges to achieve success.

Leadership Programs

The Education team is pleased to be hosting a number of Youth Leadership Conferences throughout April and May. On April 29 we welcomed students from James O’Neil High School to hear from Rear Admiral Anatolio B. “A.B.” Cruz, III, Deputy Commander, U.S. Naval Forces Southern Command, as well as a panel of mentors and guest mayors. On May 11, Teaching Matters held a special event with former NYC mayor David Dinkins as the keynote speaker.

Two additional Youth Leadership Conferences will take place on May 14 and 21, with students from Elizabeth, N.J., and New York City respectively. The program on May 21 will feature custom workshops designed for and by the students of New York, including sessions on empowerment, transitioning from high school to college, preventing teen pregnancy, characteristics of leadership and more. Speakers will include Dr. Brian Kaplan and Aisha Lloyd, Director of Children for Children.

Sponsored once again by the Motorola Foundation, the Education Department is gearing up for the continuation of Camp G.O.A.L.S. (Greater Opportunities Advancing Leadership and Science) for Girls this summer. Educators from the Intrepid Museum will engage 40 girls from the five boroughs of New York City in the fields of aviation, marine science, inventions/engineering and space science.

This year we have received an overwhelming amount of applications from 6th and 7th grade girls attending public schools. The Camp G.O.A.L.S. staff has reviewed more than 80 applications, including essay writings, teacher recommendations, report cards and interviews.

These young ladies will be encouraged to pursue professions in science fields by studying concepts of aviation, engineering, marine science, and astronomy through Museum-based activities, group projects, presentations, guest speakers and field studies to other local institutions. The goals for each week are for the campers to become more acquainted with and gain a better understanding of the historic context surrounding the Intrepid, scientific concepts and real life applications, innovations, inventions, careers and women’s contributions to these areas of science.

With all of these, as well as other projects going on in the Education Department, we are looking forward to engaging and inspiring students during a wonderful spring and busy summer!

Camp Intrepid 2010, in session from June 14 – August 27
For kids 6-13 years old, with week-long sessions from 9:00 a.m. – 3:00 p.m.
Join us this summer for many exciting hands-on activities, including discovery of sea, air, space and life at sea!

SOSI- School’s Out, Ship’s In June 10, 14-18 and 21-25
Kids 6-13 years old, daily from 9:00 a.m. – 5:00 p.m.
SOSI incorporates exciting learning, hands-on activities and interactive exhibits in the newly created Exploreum!

For more information, visit our web site at www.Intrepidmuseum.org or contact Dorothy Klein at dklein@intrepidmuseum.org or call 646-381-5166.
Eric Boehm, Curator, Aviation and Aircraft Restoration

Spring has arrived, and with it comes the great weather we were all looking forward to. The winter was hard this year with record snowfalls around the New York City area.

Despite the severe weather, the relatively higher temperatures made working in the tent on the Flight Deck bearable, and we made remarkable progress on the Cougar. I actually feel that we are ahead of schedule now, given the milestones we managed to achieve in that cold tent.

The fuselage is nearly complete. We have reattached the aft fuselage segment and we are just one back-ordered bolt away from attaching the tail feathers. Volunteers have been busy and they have already started on the cockpit instrument panel. We reinstalled the in-flight refueling probe but not without a lot of improvisation and ingenuity. This part was removed and eventually misplaced during its long period of storage on the ship. I located the nozzle end but the pipe, mounting flanges, and nose fairing all had to be made from scratch.

Once the tail units are installed, we will need to fabricate the fairing panels around the joint area. The in-flight refueling probe has been manufactured and installed on the Cougar.

Here is an example of a new skin panel, shown next to the original damaged part, which is a portion of the leading edge from the vertical stabilizer.

Old photographs of this airplane show that these parts have been missing for 40 years. The ejection seat is here now and we just need to locate a few bits to make it display ready. Overall, this project has been fun and fascinating for all involved.

**Mystery Airplane**

I don’t know about you, but I just love the challenge of identifying little-known or seldom-seen aircraft. Once the mystery is solved, it is then fun to learn about yet another facet of our rich aviation history.

With this in mind I have decided to include a Mystery Airplane Contest in this issue, featured on the next page. I want to see how many aircraft aficionados we have out there and judge your level of expertise. This first installment will be an easy one, I’ll even throw in a hint or two. To pique your interest a little more I’ll also be offering prizes!

The first five correct answers will win a limited edition T-shirt with the Intrepid logo and an image of our current restoration project, the Cougar, on the back. From these five winners we will pull one...

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“Volunteers have been busy and they have already started on the cockpit instrument panel. We reinstalled the in-flight refueling probe but not without a lot of improvisation and ingenuity.”
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“I don’t know about you, but I just love the challenge of identifying little-known or seldom-seen aircraft. Once the mystery is solved, it is then fun to learn about yet another facet of our rich aviation history.”

name out of the hat for the grand prize. What is the grand prize you ask? Well I have yet to figure that out, but I promise it will be very cool!

As always, I value your ideas and feedback. Please feel free to contact me anytime at eboehm@intrepidmuseum.org or call 646-381-5237. Let me know what you are thinking, if you have a good idea for a project or if you want to pose a question. And once again, I want to extend an invitation, next time you’re onboard and you see me in the tent working, please announce yourself as a Member and get the inside scoop on the current projects we are working on.

Mystery Airplane Contest
Can you name this plane?

This issue’s Mystery Airplane should be easy for any real aviation enthusiast. Here are a few hints:

This airplane was flown by only one squadron in the U.S. Navy. Even though delivered before the end of World War II, it was never to see combat.

This airplane may look conventional but it has a secret, in addition to the standard reciprocating radial engine in the nose, it has a small jet engine in the tail!

Send your guess to eboehm@intrepidmuseum.org or leave me a message at 646-381-5237.

This view shows the fuselage in one piece. Bolting the aft section on was a bit more of a challenge than we expected.

We are starting work on the left wing. There is significant damage to the leading edge at the tip.
Use the clues to unscramble the nautical words used by sailors and solve the crossword. Then, come and celebrate Fleet Week at the Intrepid from May 26 – June 1!

Clues Across
1. KWRORIBGHT - Shiny or brass metal that is polished rather than painted.
2. OPTIDES - The surface of a ship's hull above the water line.
3. SYOHTONE - Soft sandstone used for scrubbing ship decks.
4. DRUDER - A vertical board used for steering a ship.
5. NHIEADG - The direction in which a vessel's bow is pointed at any given time.
6. POSCE - The ratio of anchor rode in vertical use from the bow of the vessel to the bottom of the water.
7. FRELA - A fire or a blaze of light that is used as a signal.
8. LIAFATN - The aft-most deck of a ship, right above the stern.
9. NCOXIASWN - A sailor who steers and is in charge of a ship's lifeboat.
10. BEB - A receding current.
11. LLGAYE - The kitchen area of a ship.

Clues Down
1. YMYAD - A distress call for trouble at sea.
2. ETO HET INEL - A term used for when sailors and soldiers were required to stand in line with their toes in line to the seam of the deck.
3. SPIH - A medium to large vessel.
4. RUQRTAENGI ASE - Sea which comes over the ship's quarter.
5. NRSTE - The rear end of a ship.
6. QAULSL - A sudden violent wind that is often accompanied by rain.
7. EEL - Side of the ship sheltered from wind.
8. TOLFMAS - Wreckage that stays afloat after a ship has sunk.
9. HTBIG - The part of a rope or line on which a knot is formed.

Q: The USS Iwo Jima (LHD-7) is a frequent visitor to NYC during Fleet Week. The ship was named after the famous Battle of Iwo Jima during World War II, but this wasn't the first U.S. Naval ship to bear the name Iwo Jima. What ship class was the original USS Iwo Jima and when was it commissioned?

Enter to win an Intrepid Museum tote bag by sending your answer to membership@intrepidmuseum.org or by mail to: Intrepid Sea, Air and Space Museum: Membership Department/Scuttlebutt, 12 Avenue and 46th St., New York, NY 10036.

Include your name, address, telephone number and email address with your answer. One winner will be notified. All answers must be received by June 21, 2010 at 9:00 am EST.