

*Our Mission: To interpret aviation, particularly that related to New York State, with exhibits and programs that educate, entertain and excite the public*

Volume 29, Issue 2

Summer 2019

## ESAM TO CELEBRATE 35TH ANNIVERSARY SATURDAY JULY 27TH

Come help ESAM celebrate its 35th Anniversary! Bring your family and friends to the museum on Saturday, July 27th for a fun time with aviation.

The celebration will include activities for the entire family. See classic aircraft, in addition to the many aircraft in our Air Park. Sit in an open cockpit, take a guided tour of the galleries, ride in the Simulated Reality Vehicle, fly a computer flight simulator and have something to eat. See the work to date on re-assembling and mounting the half-size model of the Concorde. Take a helicopter ride over the Mohawk River.

Attend the opening remarks at 10:00 am and learn about the Apollo Program at 2:00 pm. Listen to music and partake of special activities for children.

An offsite highlight will be the showing of the movie *Return to Hardwick*, a documentary about the British home of the World War II 93rd Bomb Group at the **Scotia Cinema**. Writer and Director **Michael Sellers** is expected to be at the showings that will take place on July 27th and 28th at 3:30 pm.



Thanks to the diligence of volunteer Lou Bach, ESAM's newly renovated Memorial Plaza will be open during the museum's 35th Anniversary Celebration

## PRESIDENT'S COLUMN

Again, hello to all our friends of ESAM,

My mission has been to concentrate on rehabbing the main hangar. To do that, requires getting people with power and or money to help us make the changes.

To date, we have meet with the newly appointed Public Works & Airport Commissioner, **Joe Landry**. Joe was the former Town Supervisor of Niskayuna and holds two degrees, Lawyer & Civil Engineer.

Kevin Millington and I met with Mr. Landry on June 3<sup>rd</sup>. We discussed the future of the museum and Mr. Landry was very interested in our future plans and expressed an interest in working together.

And on June 5<sup>th</sup> we had lunch with the Schenectady County Chairman of the Legislature, **Anthony J. Jasenski, Jr.** and the newly appointed County Manager, **Rory Fluman**. We discussed the next steps going forward with our plans for the museum.

ESAM participated in 2 major parades this month. The Scotia Memorial Day Parade on May 22<sup>nd</sup> and the Burnt Hills Flag Day parade on June 13<sup>th</sup>. I want to thank **Gary Davis** for leading this effort as well as **Ryan Macherone**, **Alfonzo DiBlasio**, **Gary Gershon** and **Rich Bievenue**.

We're also working on the 35<sup>th</sup> anniversary of the museum, coming up on July 27<sup>th</sup>. (We will be showing a documentary film produced on the "Return to Hardwick." This film will be shown at the Scotia Cinema on Saturday & Sunday, July 27<sup>th</sup> & 28<sup>th</sup> at 3:30 PM. This will be a premier showing of the film taking place in England during WWII at Hardwick air strip.)

And it looks like we'll be starting to build the structure to hold the Concorde model in front of the Main Hangar, within a few weeks, after the publication of this issue of Aeronotes.

Sincerely,  
Peter V. Russo, Sr.  
President of the Board of Trustees



**Peter Russo**

To Celebrate ESAM's 35th Anniversary!

# RETURN TO HARDWICK

HOME OF THE 93RD BOMB GROUP

A FEATURE LENGTH DOCUMENTARY

THE 93RD BOMB GROUP WAS THE MOST DECORATED, THE MOST TRAVELED, AND THE MOST EFFECTIVE B-24 BOMB GROUP DURING WORLD WAR II.

THIS FILM DOCUMENTS A NEW GENERATION RECAPTURING THE GROUP'S HISTORY AND EXPLORING ITS LONG FORGOTTEN AIRBASE - HARDWICK AERODROME 104.

NARRATED BY MICHAEL CUDLITZ  
FROM HBO'S WWII SERIES BAND OF BROTHERS.

Winner Independent Film Awards, London 2019

WINNER AWARD OF MERIT SPECIAL MENTION ROYAL FILM SOCIETY 2019

OFFICIAL SELECTION Chagrin Documentary Film Festival 2019

OFFICIAL SELECTION Northeast Mountain Film Festival 2019

ESAM Presents at  
Scotia Cinema  
July 27 & 28, 2019  
at 3:30 pm  
Director Michael Sellers  
will attend

THE 93RD BOMBARDMENT GROUP ASSOCIATION PRESENTS A FRANKENBITE PRODUCTIONS FILM  
"RETURN TO HARDWICK-HOME OF THE 93RD BOMB GROUP" NARRATED BY MICHAEL CUDLITZ

PROLOGUE WRITTEN BY ED REILLY MUSIC FROM SCOREKEEPERS PRODUCED, DIRECTED AND EDITED BY MICHAEL SELLERS

www.hardwickfilm.com

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## AerOnotes

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ESAM is a registered  
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## TOUCH-A-TRUCK EVENT BRINGS CROWDS TO ESAM

On May 18th the **New York State Trucking Association** brought its Touch-a-Truck program to ESAM. (The museum augmented the program with our MIG-15 and Duster tank). The weather cooperated nicely for an outdoor event.

The program ran in conjunction with ESAM's monthly Fly-In Breakfast and drew a sizeable crowd.

Thanks to **Rich Bievenue** for spearheading this event and to **Dan Wilson** for taking some great photos.



Views of the Touch-a-Truck event.



**LT JOHN A. MANCINI, US ARMY AIR CORP, MIA**

On April 20<sup>th</sup>, World War II researcher and ESAM volunteer **Donna Esposito** gave a presentation about local missing-in-action pilot **Lt. John Mancini** at the monthly breakfast. John A. Mancini was born on April 23, 1919 in Ballston Lake to Italian immigrants. He contracted tuberculosis at age 11, but recovered under the care of **Rev. Daniel D. Hogan** of Our Lady of Grace Church. John graduated from Burnt Hills-Ballston Lake High School in 1940 and served as class president. The vice-president happened to be **Chester Matthews**, father of ESAM trustee and past president, Bud Matthews!

Mancini attended Siena College for one year and received his pilot's license in the Civilian Pilot Training Program. He enlisted in the Army Air Corps in the fall of 1941 and graduated from flight school in May of 1942. Lt. Mancini was assigned to a photoreconnaissance squadron and arrived on Guadalcanal in January of 1943. He began flying solo recon missions in the F-5 Lighting, the unarmed version of a Lockheed P-38 Lightning fighter. After flying many successful missions that provided a great deal of valuable intelligence on enemy aircraft and naval strength, Lt. Mancini took off on a mission on April 22, 1943 to photograph Southern Bougainville and Shortland Island. Lt. Mancini was never seen again. That was the day before his 24th birthday.

Lt. Mancini is still missing in action. His service and heroism inspired his nephew and grandnephew to become pilots. Last year, Esposito located a film called "With the 17th Photo Reconnaissance Squadron on Guadalcanal" at the National Archives while searching for something else. The date on the film was 1944, but after learning about Lt. Mancini, she decided it was worth a look. It proved to be a 10-

minute documentary describing a typical photoreconnaissance mission from start to finish. And the date on the film was incorrect; it was filmed in February of 1943 and the star of the film is Lt. John A. Mancini, the pilot flying the mission. The film can be seen online here: <https://youtu.be/88p9z6J-CiI>

Lt. John Mancini is one of the New Yorkers profiled in the museum's new WWII aviation exhibit in Gallery II.



**Lt Mancini in the South Pacific (left) and suiting up for a flight in an F-5 (above).**



## LOCKHEED P-38 AND F-5 LIGHTNING

by Kevin Millington

At a recent breakfast, we were treated to a really informative presentation by **Donna Esposito** on the exploits of a pilot who flew the F-5, a photoreconnaissance version of the great P-38 *Lightning* fighter, during World War II (see page 4). As such, I thought I'd highlight the unique differences between these Lightning variants.

The P-38 evolved from a 1937 specification issued by the U.S. Army Air Corps for a high performance, long range fighter. The legendary **Kelly Johnson** and **Hall Hibbard** of Lockheed, which had never manufactured fighter aircraft before, responded with a radical design, and perhaps the most easily recognizable aircraft in history. Rather than having a conventional fuselage, the twin-engine Lockheed aircraft had a central pod housing the pilot and twin booms extending rearward from the engines to the tailplane. The prototype YP-38 first flew on January 27, 1939, the Army Air Force accepted the design, and the P-38 entered operational service during April 1942. Besides its unique design features, the P-38 achieved many "firsts" and milestones. It was the largest single-seat aircraft during World War II; one of the first planes to have a tricycle landing gear; wasn't called *Lightning* for nothing, as it was the first fighter able to fly over 400 mph in level flight; and the only American fighter in continuous production throughout WW II. The F-5 was developed for photoreconnaissance, and would go on to serve as the most successful and most prolifically-built reconnaissance aircraft of World War II. Of the 10,000 Lightnings manufactured, 1,200 were F-5's.

Differences between the P-38 fighter and the F-5 revolved around their differing missions, as follows:

With respect to the P-38 fighter, unlike other fighters which had their armament in the wings, the P-38's four .50 caliber machine guns and one 20 mm. cannon were grouped together in the nose. As a result, it provided a concentrated and withering firepower which was devastating, particularly to the lightly armored Japanese aircraft. The guns provided a collective rate of fire of 4,000 rounds per minute! In addition, the wing-mounted guns of most fighters were canted, or angled, so that the rounds would converge at a certain distance. The guns of the P-38, on the other hand, fired straight ahead, which provided a longer range, up to 3,000 ft. In addition, the P-38 excelled in the ground attack mission, using not only its internal guns, but up to 3,000 lbs. of bombs or air-to-ground rockets.

With its high speed, long range, and ability to carry a variety of equipment, the P-38 airframe proved to be ideal for the photoreconnaissance mission. Unlike the P-38, the F-5 variant was unarmed. Instead, the nose armament was replaced by up to six K-17 aerial photography cameras, with nose windows provided for forward, vertical, and oblique photography.



F-5 (foreground) and P-38 (background)

## ALEX AWARD NOMINATIONS DUE BY SEPTEMBER 12TH

Each year, one or more ESAM volunteers are presented with the Alex Award for their sustained and outstanding volunteerism. Named in memory of a truly great ESAM volunteer, **Roland "Alex" Alexander**, the award recognizes the volunteer's service, cooperation, teamwork and a dedicated pursuit of excellence.

The ESAM Board of Trustees is actively seeking applications for this year's nominees for the Alex Award. The Board of Trustees welcomes applications, which may be sent to the ESAM office. Applications must be received no later than September 12, 2019.

The application should clearly describe why the individual deserves the award, and must be from ESAM members who have worked with the individual. Therefore, the application is based on personal experience, rather than second-hand information. The application can be hand-written, typed or submitted through email, and must provide the following information:

- The name of the nominee and a statement that he or she is an ESAM member in good standing
- The dates of the volunteer's service (must have been an active volunteer for a minimum of five years)
- A description of the personal qualities of the individual that demonstrate the characteristics of his or her pursuit of excellence
- A list of the activities in which the individual has been a participant
- A list of the individual's accomplishments supporting the development, operation and enhancement of ESAM and its mission
- The names of at least two ESAM members in good standing who have worked with the individual in an ESAM volunteer setting and who are making the nomination. The application must be signed and dated by the two members making the nomination.

The final choice of the recipient is a difficult one as there always are a number of outstanding representatives of Alex's qualities. We look forward to the challenge and the reward of recognizing another outstanding volunteer at the annual meeting in October.



**ESAM volunteer Paul Quantock (left) and a Civil Air Patrol cadet manage the parking of cars at the Touch-a-Truck event**



**Former ESAM Trustee President Bud Matthews (left) congratulates former ESAM Trustee President Jim Liguori as Jim heads for his new home in Florida. Best Wishes to Jim from everyone at ESAM!**

## ESAM SUMMER STEM CAMP TO EXPAND IN 2019

Building on its success in 2018, the 2019 ESAM Summer STEM camp is expanding in 2019 and is already full. The programs is again being undertaken in partnership with **Schenectady County Community College**.

Three programs are being offered.

- 1. Young Aviators**, Ages 8-10 years, August 19-23 (possibility of 24th for flights only) from 8:30am-12pm, Maximum 12 students, Fee: \$150, a healthy snack is provided daily. Your week will be filled with guest presenters, field trips, museum and airpark exploration, learning about aviation careers, and why and how aircraft fly and a special team project. Each camper will have the opportunity to take an airplane flight (parent permission required) piloted by an EAA Certified and Insured pilot.
- 2. Tween Aviators**, Ages 11-12 years, August 19-23 (possibility of 24th for flights only) from 8:30am-12pm, Maximum 12 students, Fee: \$150, a healthy snack is provided daily. Your week will be filled with guest presenters, field trips, museum and airpark exploration, learning about aviation careers, the forces of flight, and a flight mission created with your team. Each camper will have the opportunity to take an airplane flight (parent permission required) piloted by an EAA Certified and Insured pilot.
- 3. Teen Aviators**, Ages 13-17 years, August 19-23 (possibility of 24th for flights only) from 8:30am-12pm, Maximum 12 students, Fee: \$150, a healthy snack is provided daily. Your week will be filled with guest presenters, field trips, museum and airpark exploration, digging deeper into aviation and taking on the challenge of creating a real-life flight plan with your team! Each camper will have the opportunity to take an airplane flight (parent permission required) piloted by an EAA Certified and Insured pilot.



## RPI ENGINEERING AMBASSADOR PROGRAM

In May members of the ESAM leadership met with seven **Rensselaer Polytechnic Institute (RPI)** engineering students and their advisor to discuss the possibility of working together.

The students are members of the RPI Engineering Ambassador Program. The goal of the program is to inspire a young audience to explore the role of engineering in society. The students pursue this goal by doing school visits using a hands-on assertion evidence approach to classroom learning. Currently, 62 RPI students are participating in the program.

The meeting engendered a productive discussion about the activities of the Ambassador Program and ESAM's activities, and where they might be supportive of each other. Hopefully this will be the beginning of a successful partnership.

Thanks to **ESAM Restoration Chair Rich Bievenue** for arranging the meeting.



## ESAM RECEIVES FLAG FLOWN ON THE CHALLENGER SPACE SHUTTLE

Recently we received a request from Englishmen **Richard Poole** and **Leo Shefer** to visit ESAM and view our Supermarine Scimitar. Although the museum was not scheduled to be open on the day of the visit, **ESAM Board Member John Panoski** came in, opened up and gave the visitors his A Number-1 Tour.

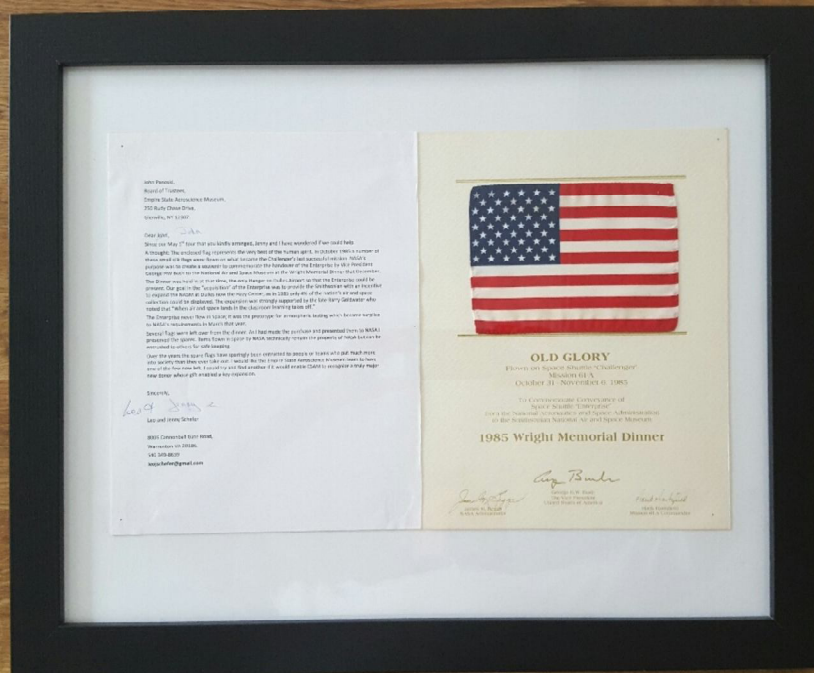
In response Mr. Shefer wrote a very nice thank you letter and subsequently sent John a framed presentation including a Commemorative Certificate identical to those presented to the attendees and benefactors of the 1985 Wright Memorial Dinner. The Certificate contains a silk U.S.

flag that was flown into space aboard the Space Shuttle Challenger on Mission 61-A, 31 October-6 November 1985, Challenger's penultimate flight. Also included in the framed presentation is a letter of provenance and explanation from the donor.

ESAM is pleased to accept this very special donation.



**John Panoski (left) shows Englishmen Richard Poole (center) and Leo Shefer (right) ESAM's Supermarine Scimitar during their tour of ESAM.**



**Framed Certificate containing a U.S. flag flown on the Space Shuttle Challenger**



## LETTERS LIKE THESE WE LIKE TO RECEIVE

From the Burnt-Hills Ballston Lake Education Foundation

Than you for helping to make our 20th anniversary so wonderful! Due to the participation and support of so many generous people and businesses throughout our community, the Taste of Burnt Hills event on October 15, 2018, netted more than \$12,000. This is money that the Education foundation will now turn into grants to fund innovative programs and projects to enrich the lives and education of BH-BL students.

This great dinner and silent auction would not be possible without the donations of time, talent and treasure from people like you. On behalf of the BH-BL Education Foundation Board of Trustees, thank you!

Thank you for donating passes for our Silent Auction! We appreciate your support of our event and our organization!

Received in March 2019

Dear Kevin,

It was so nice to see you! Thank you so much for the tour! Daniel had a great time, as did we!

Your friends,  
Nancy Stoliker, Steve Prescott and Daniel McGreevy

April 15, 2019

We cannot begin to thank you for your support with this year's Science and Health Discovery Night! This event cannot happen without you and it was another successful and fun evening. We appreciate the excitement you brought to the community and hope you enjoyed the evening as much as we did. Thank you again and we look forward to seeing you next year!!

Shen Science and Health Discovery Planning Committee

Received in June 2019

Augustine Classical Academy  
7 North Main St.  
Mechanicville, NY 12118

Dear Mr. Millington,

We are so grateful for your expertise, your time and your efforts in meeting with us at ESAM this week. You both piqued and deepened our interest in aviation and our appreciation for so many who have served our country by their work in aviation. Thank you! We're all hoping to visit again.

Sincerely yours,  
Mrs. Trowborst and ACA 6th grade  
Aiden, Alyssa, Brendan, Connor, Elise, Isaac, LinLin, Micah, Nora, Sam

## OUR VOLUNTEERS

### HOVERCRAFT REDESIGN PROJECT 2017-2019

by Steve Ruggles

The Hovercraft redesign and restoration project was recently completed by members of the Restoration Group of the Empire State Aerosciences Museum. The Hovercraft design was initially accomplished using the Pegasus Design from an issue of Popular Mechanics dating from January 1983. That design was incorporated by (now deceased) Board Member **Jim Edgar**, starting in the late 1990s, completed in the early 2000s and donated to the Museum. Some minor improvements were done by **Charley Stoker**, then a student, in 2006, and the project was at that time retired.

The work done by Jim Edgar was quite significant, using a Tecumseh TVS120 5.5 HP gasoline motor driving a simple two-bladed 24 inch wooden fan. The overall diameter of the Hovercraft was around eight feet with a complex internal structure from the Popular Mechanics plans and was designed to carry a single person weighing no more than 125 pounds. Air cushion lift was accomplished by use of a ten inch wide fabric shroud around the periphery of the base. The idea was that lift was provided by air escaping past a fraction of an inch gap past the base of the shroud. **Ronnie Quinn** was the designated test pilot. The craft had two exhaust ports at the exit edge which when opened by pilot control was supposed to provide forward motion. Air flow provided by that fan proved to be insufficient to enable forward thrust to be achieved.

During late 2017, it was decided by leaders of the organization and **Rich Bievenue**, leader of the Restoration Group, that the project would be revived under the skilled and capable leadership of **Joe Gorman**. A number of improvements would be done to improve the capabilities of the design. A budget of \$750 was created to provide financial resources for the redesign. **Steve Ruggles** joined the project in early 2018 to provide some aerodynamic design capability to the project. **Carl Groves** came on later to provide much valuable experience in fabrication to the project. **Brent Coon** came on board to do some of the painting.

Joe Gorman fabricated by hand a nicely curved inlet to the fan, using a series of small pieces glued together with sealing on the interlocking spaces. A four bladed fan assembly using a 23 inch tip diameter, providing 4600 CFM and 15 lb/sq ft (750 lb lifting force), was obtained from Hoverhawk Corporation. Steve Ruggles fabricated a six inch long 7 degree exhaust diffuser to provide pressure rise for additional lift. Within that diffuser he installed nine stator vanes for flow straightening, and he used piano hinges to attach turning vanes to the trailing edges of the stators in order to provide rotational control with maximum turning angle of 30 degrees. That control was provided by an attaching cable to the tip trailing edge of each turning vane which was linked to a lever in the cockpit. Other controls in the cockpit included a throttle lever for the gas engine and a cutoff switch for the engine. An additional on/off switch was located at the back edge of the hovercraft to be operated by guiding personnel, along with tethering.

At the completion of the project, the total expended cost of the project was less than \$680, most of which was donated. In operational tests, which occurred during the ESAM Touch-a-Truck event in May 2019, it was determined that throttle authority was lacking beyond half throttle. Joe Gorman determined that the cause of this was use of a replacement carburetor from a 4.5 HP Tecumseh TVS115 engine that had 30% less venturi area than the original carburetor had; Joe then obtained a replacement carburetor from **All Seasons** on Freeman's Bridge Road with

(continued on page 11)



(continued from page 10)

the correct venturi area. We haven't yet checked out the operation of the replacement carburetor because of other projects going on in the Restoration Facility.

Currently operation of the Hovercraft device is restricted to use of authorized personnel from the Restoration Group. There is tethering on the front and rear of the device which helps to provide some directional control by guiding personnel. As experience builds up in the operation of the device and if insurance rules allow, this device can become a good learning tool for students.

Photos below show (1), the original Hovercraft in 2003 with Ronnie Quinn and **George Yager**; (2) Ronnie Quinn in the new 2019 Hovercraft (she selected the paint scheme); (3) Joe Gorman working on the ballast balance plates; (4) **Fred Bloomstein** controlling Ronnie's ride, using tethers.



### SUMMER HOURS HAVE ARRIVED

The museum is now operating on Summer Hours! We are open from 10:00 AM to 4 PM Tuesdays through Sundays.

<p align="center"><b>ESAM THANKS THE FOLLOWING PEOPLE WHO HAVE ESTABLISHED OR RENEWED THEIR MUSEUM MEMBERSHIPS</b></p>
--

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LibraryEast Greenbush Community  
Library

Guilderland Public Library

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Library

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Mr. Joseph Gullo

Mr. Gary Krause

Mr. Franz LaVigne

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Mr. Larry Lewis

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Mr. Paul K. Male

(continued on page 13)



(continued from page 12)

Mr. Robert Pollack  
Reverend Moonhawk River Stone

Mr. Paul Quantock  
Mr. Preston Van Patten

Ms. Patricia Renna

### Student

Ms. Marissa Dreibelis

Mr. John Murphy

### RECENT ACQUISITIONS

- **Colin Borst** donated a World War II Civilian Air patrol helmet, a V-Home window sticker and an Air Warden document explaining the V-Home Project.
- ESAM member **Tony Zuelsdorf** donated three boxes of books, a flying wing, 9 flying gliders, 6 plastic gliders, 3 plastic propellers & plastic wheels, balsawood blanks and kits for model building, a Wright Experience lapel button and model propellers.
- In honor of **John L. Barker**, **Everett D. Barker** and **Robert A. Barker**, **Claude Barker** donated four beautifully framed prints: Charles Lindbergh and the Spirit of St. Louis crossing the Atlantic, Amelia Earhart and a Lockheed Vega crossing the Atlantic, P-38s intercepting Admiral Yamamoto's flight, and a description of the shooting down of Admiral Yamamoto. The prints were signed by two American pilots involved in the attack and a Japanese pilot.
- **Kathy Sanford** donated two boxes of aviation-related books and a box of airplane models.
- **Wyman Soule** donated six boxes of aviation engineering books.
- ESAM member **Donna Esposito** donated two books (Vickers Aircraft since 1908, Naval Aviation Museum Coloring Book) and a DVD containing movies and information about the 17th Photoreconnaissance Squadron on Guadalcanal circa August 1944 from the National Archives.
- The **Oneida County History Center** donated the June-July issue of Mohawk Airlines Gateway magazine, the routes of the proposed Allegheny-Mohawk merged system in 1972, the 9/30/1967 Mohawk Airlines quarterly report to stockholders, the 1956 Mohawk Airlines Annual Report and the 1964 20th Annual Mohawk Airlines Report.
- **Margaret Cashman** donated the World War II bombardier wings of **James Shepard, USAAC**.
- ESAM Trustee **Gary Gershon** donated a 2004 utility trailer.
- **Edmond Sanders** donated a negative of a photo of the Spirit of St. Louis
- ESAM volunteer **Larry McArthur** donated a poster of a C-130 flying during Deepwater Horizon.



This limited edition print depicts the April 18, 1943 downing of Japanese Admiral Yamamoto.

The print is signed by Major John Mitchell, leader of the attacking P-38s, shown attacking the Zero escorts, and Lt. Rex Barber shown pulling off an attack on Yamamoto's aircraft.

The print is also signed by Zero escort pilot Kenji Yanagiya and artist Shigeo Koike.

The print was donated by Mr. Claude Barker.

The Empire State  
Aerosciences Museum is  
supported in part by:

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James LaDolce  
Kevin Millington  
John Panoski  
Ralph Rosenthal  
The Family of Jansz Vander  
Veer\*

\*ESAM Charter Member

## OUR SUPPORTERS

### ADOPT-AN-AIRPLANE PROGRAM TO RETURN IN 2019

ESAM's very successful 2018 Adopt-an-Airplane program will return in 2019. People who adopted airplanes in 2018 are being given first choice to re-adopt them in 2019. After that, planes still available for adoption will be made available for new adopters.

### SPRING BREAK A BIG SUCCESS

Kevin Millington

The museum opened during the schools' Spring Break, from April 23 - 26, and it could not have been a more successful week! We offered discounted admissions, tours, and special events every day - classes on our flight simulators and presentations by **Larry McArthur**, who demonstrated his Naval Aviator flight gear and described carrier flight operations. On Wednesday, April 24th, we also hosted a group tour of 50 students and their teachers from an area school, so Larry happily volunteers to repeat his presentation - what a busy day! During the week, I estimate over 500 folks visited our museum.

Many thanks to our great volunteers who dedicated their time - to **John Panoski, Gary and Isaiah Gershon**, who so patiently operated the flight simulators; to Larry McArthur for presentations before his largest audience (he must have answered a million questions); to **Gary Davis**, who provided airpark tours; to **Pat Barrot**, who prepared and distributed advertising flyers to area schools; and to **Joyce Newkirk**, who provided the operational support which is so critical to the success of our programs.

A busy, fun, and profitable week for the museum!

### OUR STAFF AT ESAM

We are pleased to have the support of three excellent staff members at ESAM.

**Pat Barrot** has been with us as the Office Manager since August 2017. Among her responsibilities are arranging tours. She brings a wealth of experience working with non-profits and museums.

**David Hall** has been with us as Gift Shop and Admissions Manager since June 2018. Besides handling admissions and gift shop sales, he opens and closes the museum, and runs the Simulated Reality Vehicle.

**Ian Thompson** joined us in May 2019 as Groundskeeper. He keeps busy mowing and also helps out in the Gift Shop.

Thanks to all three for their work in making the museum a great place to visit.



### HANNAFORD DONATES \$102 THROUGH "BAGS FOR MY CAUSE PROGRAM"

**Hannaford Supermarkets** has donated \$102 to ESAM via its Bags 4 My Cause Program. The program is designed to help shoppers give back to their community while also supporting the environment.

Each time a shopper purchases a reusable bag, Hannaford makes a donation to a community organization.

ESAM thanks Hannaford for its support.



### VOLUNTEER OPPORTUNITIES

ESAM is a volunteer-run organization. We are always looking for new volunteers to come to the museum and do something they enjoy doing.

Currently we are particularly in need of office help, tour guides, restoration volunteers and curatorial support. We can also use once-a-month support at the Fly-In Breakfast on the third Saturday of each month (except August and December).

If you're interested in volunteering or if you know someone who might be interested in volunteering, please contact the office at 518-377-2191 between 9am and 2pm Tuesday through Friday.

### ESAM Membership Application

Please check one: NEW MEMBERSHIP \_\_\_\_ RENEWAL \_\_\_\_

#### ANNUAL DUES:

##### INDIVIDUAL/FAMILY

- \_\_\_\_ Senior Citizen \$35  
 \_\_\_\_ Student \$35  
 \_\_\_\_ Individual \$45  
 \_\_\_\_ Family \$60

##### VIP:

- \_\_\_\_ Contributing \$80  
 \_\_\_\_ Supporting \$135  
 \_\_\_\_ Sustaining \$285  
 \_\_\_\_ Galaxy Club \$500  
 \_\_\_\_ Friend of ESAM \$1,000

##### BUSINESS

- \_\_\_\_ Supporter \$285  
 \_\_\_\_ Patron \$500  
 \_\_\_\_ Benefactor \$1,000  
 \_\_\_\_ Not for Profit/School/Library \$60  
 \_\_\_\_ Small Business \$100

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone: Home (\_\_\_\_) \_\_\_\_\_

Work (\_\_\_\_) \_\_\_\_\_

E-mail address \_\_\_\_\_

**Please make your check payable to ESAM**

**Mail to ESAM, 250 Rudy Chase Drive,  
Glenville, NY 12302**

If your company offers a matching gift program, please contact them with the amount of your gift.

Matching Gift Company \_\_\_\_\_

Empire State Aerosciences Museum  
250 Rudy Chase Drive  
Glenville, NY 12302

NON PROFIT ORG.  
US POSTAGE  
PAID  
ALBANY, NY  
PERMIT # 793



## **HAPPENINGS AT ESAM**

### **MUSEUM HOURS**

Summer Hours: Tuesday through Sunday 10 AM to 4 PM. Summer hours start on June 18th

Winter Hours: Friday through Sunday 10 AM to 4 PM

**General Museum Admission** – \$8 per adult; \$6 per senior and military; \$5 age 6-16;  
under 6 free when accompanied by an adult

Blue Star Program runs from May 24th through September 2nd:  
free admission to active duty military personnel and up to 5 family members

**Simulated Reality Vehicle (SRV)** – Ride: \$5

**Jansz Vander Veer Research Center/Library Hours** – Friday 9 AM to 12 noon & Saturday 10 AM to 12 noon

**July 15, Monday - Board of Trustees Meeting:** 7 PM. ESAM Community Room

**July 20, Saturday - Pancake Breakfast:** 8:30-10:30 AM. All you can eat: \$8 (\$4 for kids under 12). Menu varies with pancakes or French toast, sausage, eggs, applesauce, juice and coffee. The public is invited to attend.

**Pilots:** Tower Frequency 121.30; Ground 121.90. Land at Schenectady County Airport and taxi to Richmor Aviation North. Browse the Museum beginning at 10 AM. Museum Admission: \$8 per adult; \$6 per senior and military; \$5 age 6-16; under 6 free when accompanied by an adult.

**July 27, Saturday - ESAM 35th Anniversary Celebration**

**July 27, Saturday and July 28, Sunday - Screening of Return to Hardwick at the Scotia Cinema:** 3:30 PM both days.

**August 17, Saturday - Pancake Breakfast:** 8:30-10:30 AM. All you can eat: \$8 (\$4 for kids under 12). Menu varies with pancakes or French toast, sausage, eggs, applesauce, juice and coffee. The public is invited to attend.

**Pilots:** Tower Frequency 121.30; Ground 121.90. Land at Schenectady County Airport and taxi to Richmor Aviation North. Browse the Museum beginning at 10 AM. Museum Admission: \$8 per adult; \$6 per senior and military; \$5 age 6-16; under 6 free when accompanied by an adult.

**August 19 Monday - Board of Trustees Meeting:** 7 PM. ESAM Community Room

**August 19-23, Monday-Friday– ESAM Summer STEM Camp:** 8:30 AM-12 PM. Separate programs for 8-10 year-olds, 11-12 year-olds and 13-17 year-olds. Guest presenters, field trips, museum and airpark exploration, learning about aviation careers, the forces of flight, and flight mission planning. A healthy snack will be provided. Fee is \$150. Scholarships may be available.

**September 15, Monday - Board of Trustees Meeting:** 7 PM. ESAM Community Room

**September 21, Saturday - Pancake Breakfast:** 8:30-10:30 AM. All you can eat: \$8 (\$4 for kids under 12). Menu varies with pancakes or French toast, sausage, eggs, applesauce, juice and coffee. The public is invited to attend.

**Pilots:** Tower Frequency 121.30; Ground 121.90. Land at Schenectady County Airport and taxi to Richmor Aviation North. Browse the Museum beginning at 10 AM. Museum Admission: \$8 per adult; \$6 per senior and military; \$5 age 6-16; under 6 free when accompanied by an adult.