

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

Volume 30, Issue 3

Fall 2021



I FLEW ON 9/11

by Michael C. Collins, ESAM Second Vice President



The day was sunny and the sky was incredibly blue, but the men and women of the New York State Police Aviation Unit were in a somber mood. They gathered at their hangar at Albany International Airport. The plan was to convoy to Saratoga National Cemetery for the interment of a fellow pilot.

In the squad room we watched in disbelief when the first plane hit the tower. My first thought was that someone had stolen a parked plane as the instrument of death. When the second plane hit, we all realized that this was a deliberate terrorist plot.

En route to the cemetery, we were glued to the radio as more details of the insidious plot came out. During the ceremony we heard fragments of information about the fall of both towers. It was hard to concentrate on the words as our fallen brother was eulogized since we all knew that this was going to be a long day. As the final notes of "Taps" dissolved into the air, we gazed skyward for the prearranged ceremonial flyover by unit aircraft. It never came. The airspace had been locked down by air traffic control.

Back at Albany International, our commander told us to go home, pack a bag for a week's trip and return in one hour. During that interval, crews were assigned to several aircraft for deployment to New York City and several more distant locations.

My copilot **George Green** and I were tasked with flying a Huey helicopter to Orange County Airport to load up with medical supplies from a nearby depot. For security reasons, every aircraft was given a discrete transponder code over the phone. This code would show radar controllers that we were "friendly" and had authorization to fly. Any aircraft not displaying a proper code would be subject to interception and interdiction (read "destruction"). Our destination was Jamaica Hospital, near John F. Kennedy Airport.

Crossing Manhattan, we got a whiff of the smoke coming from Ground Zero. It was an ungodly amalgam of steel, plastic, cement, rubber and elements I would guess could be found in the second circle of Hell. We vowed to fly higher on the return trip.

Approaching Kennedy airport we could see no signs of human or vehicular movement. The airspace lockdown had brought all airport activity to a halt. This trip would be repeated several times that day before we rested. On the final leg of the last cycle, we took one last look at what they had done to our city, our lady, and vowed not to rest until justice was meted out.

On the third day, it changed from a rescue to a recovery operation. The supplies were largely unused since there were few survivors. Our mission turned into bringing admin personnel and computers from upstate to the operations center.



George and I finally got home on Saturday.
Never forget.



PRESIDENT'S COLUMN

Members and Supporters:

Since this will be my last message to all as President, (July 1, 2017 to October, 2021) I want you to know what we have done to move this museum forward and I want to recognize the people who were there on the front line, making it happen.

To begin with the most important accomplishment this museum has had in a number of years is the installation of the Concorde model in front of the hangar facing Route 50. We need to thank the following: **John Panoski, Dan Wilson, Rich Bievenue, Alfonzo Di Blasio, Gary Davis** and many other members who did their part in restoring the model. Businesses we wish to thank are: **Schenectady Steel, DA Collins, BBL, Lucia Hauling, Chandler Excavations, Glenville Development Agency** and the **Town of Glenville** and the **Town Supervisor, Chris Koetzle**.



Peter Russo

Here are just a few of our other accomplishments:

- a. **CAP Headquarters** here for the Eastern NYS group.
- b. **RPI Ambassadors Club**.
- c. **Reform Architect's** for proposed rehab of Hangar, paid by County.
- d. Professional Fundraiser, **Michelle Susko**, paid by County.
- e. Created liaison with the major Foundations serving the Capital District area.
- f. Created the Advisory Board to assist the museum in future projects.
- g. Worked with **Discover Schenectady**, promoting tourism & sites.

There are a number of members with whom I have worked in moving this museum into the future and they are:

- | | | |
|----------------------------|------------------------|--|
| 1- Kevin Millington | 5- Marvin Weiss | 9- Lynn Chevalier |
| 2- John Kolwaite | 6- Dan Wilson | 10- Joyce Newkirk |
| 3- Mike Collins | 7- Fred Lee | 11- My wife Kathleen (Bobbi) |
| 4- Rich Bievenue | 8- Tim Burke | 12- Bud Matthews (former President) |

October 20th is the Annual Dinner, to be held at **River Stone Manor**. I hope you will be able to attend.

The November meeting of the Board of Trustees will be my official act to open, then the election of a new president follows. I have had a great term of 4 years as president and have hopefully made a mark in the future of this museum. I intend to continue being involved.

Peter V. Russo, Sr.



AerOnotes

Published quarterly by the
Empire State

Aerosciences Museum

250 Rudy Chase Drive
Glenville, NY 12302

Phone: 518 377-2191

Fax: 518 377-1959

E-mail: esam.office@gmail.com

Web site: www.esam.org

Editor

Lawrence McArthur

ESAM is a registered
charitable organization
chartered by the N.Y.S.
Department of Education

President

Peter V. Russo, Sr.

First Vice President

Rich Bievenue

Second Vice President

Michael Collins

Secretary

Marvin Weiss

COO/Treasurer

Joyce Newkirk

Trustees

Steve Borbee

Timothy Burke

C. Lynn Chevalier

Gary B. Davis

Alfonzo DiBlasio

Gary Gershon

John Kolwaite

Frederic Lee

Raymond Legere

Ryan Macherone

Jack Mallia

Chester "Bud" Matthews

Kevin Millington

Patrick Morris

John Panoski

Ralph Rosenthal

Linda Sheridan

Dan Wilson

SUMMER EDUCATION PROGRAM A BIG SUCCESS

Kevin Millington

Following a year off, the museum once again conducted its Summer Aviation Program from Tuesday, 8/24 – Friday, 8/27, and it could not have gone better! The program hosted twenty children for a variety of classes, tours of the museum, AND a ½ hour flight, thanks to **John Baldasaro**. Classes and tours were conducted each day from 8:30 to noon on topics including the history of aviation, the forces of flight and parts of an airplane, the US space program, and helicopters.

The success of the program would not have been possible without the contributions of our great volunteers. Special thanks to – **Gary Davis**, who conducted tours of the airpark; **John Baldasaro** and the **EAA**, who conducted the class on the forces of flight and who so generously donated his time and plane to provide each student with a flight; to **James Johnson** and **John Kolwaite**, who conducted the class on the US space program; to **Paul Quantock**, who conducted the class on helicopters; to **Larry McArthur**, who demonstrated his Naval aviation flight gear; and to **Pat Barrot**, **Joyce Newkirk**, **Bob Vore**, and **Jim Salvino** for all the technical and administrative support which made the program such a success.

The program was very well received by the students and their parents, and is such a good reflection on the museum. The museum is dedicated to serving as a community resource, and I was happy that two scholarships were provided to families in need.



Learning the Parts of a Plane at ESAM's STEM Camp

SEPTEMBER FLY IN BREAKFAST PRESENTATION FEATURES ACTIONS OF THE NEW YORK STATE POLICE AVIATION UNIT ON 9/11

At the September 18th breakfast, three presenters spoke about flying on 9/11. **Jay Fuller**, **Maj. Ken Rogers**, NYSP retired and ESAM's own **Mike Collins** recounted the actions of the **New York State Police Aviation Unit** on that fateful day. (See cover article.)

THE KOBE BRYANT ACCIDENT

On Saturday, August 21st, ESAM Trustee and veteran pilot **Mike Collins** gave a presentation on "The Kobe Bryant Accident: Lessons Learned". He discussed the factors that made it almost a "fait accompli" accident. The basis of Mike's presentation was the National Transportation Safety Board's (NTSB's) official accident report. The report titled Rapid Descent Into Terrain Island Express Helicopters Inc. Sikorsky S-76B, N72EX Calabasas, California January 26,



A Sikorski 76 (source: Wikipedia)

2020 (NTSB/AAR-21/01 PB2021-100900) is available on line. The accident took the lives of the pilot and eight passengers including basketball star Kobe Bryant.

The National Transportation Safety Board determined that the probable cause of the accident was the pilot's decision to continue flight under visual flight rules into instrument meteorological conditions, which resulted in the pilot's spatial disorientation and loss of control.

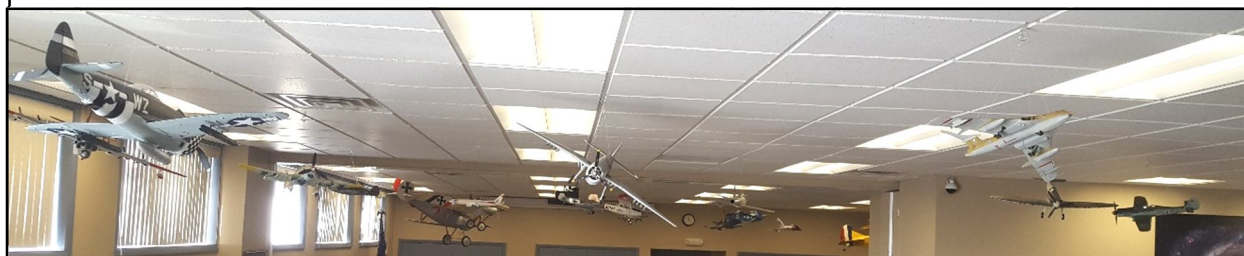
Contributing to the accident were:

- the pilot's likely self-induced pressure and the pilot's plan continuation bias, which adversely affected his decision-making, and
- Island Express Helicopters Inc.'s inadequate review and oversight of its safety management processes.

Thanks to Mike for this informative presentation.

THE COMMUNITY ROOM CEILING IS ALIVE WITH PLANES AGAIN

We are pleased to announce that the community room drop ceiling has been fully repaired after water damage and is again filled with model aircraft in various flight attitudes. The ceiling is actually an exhibit of its own! Thanks to **Gary B. Davis** for his work in restoring the ceiling.



ESAM APPLIES FOR NYSCA/GHHN CONSERVATION GRANT

On August 30th, the Empire State Aerosciences Museum applied for a **New York State Council on the Arts (NYSCA)/Greater Hudson Heritage Network (GHHN)** grant to conserve the museum's World War I Aviation Service uniform. The uniform needs cleaning, mold remediation and repair of old insect damage.

In order to apply for the grant ESAM had to establish a working relationship with a professional conservator. With the great help of ESAM staff member **Pat Barrot**, the museum partnered with **Gwen Spicer** of **Spicer Art Conservation** in preparing and submitting the grant application. Curatorial volunteer **Larry McArthur** represented the museum in preparing the grant.

The objects to be treated are a World War I United States Army uniform including two head coverings, a tunic with medals and other insignia, trousers, a knapsack and two pairs of gaiters.

We have good provenance on the uniform. It was worn by **Lester E. Lassell** from Little Falls, New York, and was donated to the museum by his niece **Helen Lassell** of Gloversville, New York. Therefore, the uniform relates directly to New York State. Private Lassell enlisted on December 15, 1917 and was discharged on June 3, 1919. He served at Kelly Field, San Antonio. The uniform is the only World War I uniform in ESAM's collection. It has been on display in Gallery I of the museum.

When Private Lassell's niece donated the uniform to the museum, she reported that he had flown a Curtiss Jenny, a well-known training aircraft during World War I. ESAM has a half-scale model of a Curtiss Jenny hanging from the ceiling of the gallery in which the uniform is displayed.

Grant awards will be made in late November or early December 2021. If ESAM is awarded a grant, the conservation treatment will take place in 2022.



World War I Uniform of Lester E. Lassell

MILITARY VEHICLE SHOW CANCELLED

Unfortunately, due to Covid concerns, the Military Vehicle Show arranged by **First Vice President Rich Bievenue** and scheduled for August 21st was cancelled.

Maybe next year.



OUR SUPPORTERS

THANK YOU CONCORDE FUNDRAISER DONORS

The Empire State Aerosciences Museum is grateful to the following additional people who have responded to its Concorde fundraising appeal. With your help the Concorde model was put in place on June 18th.

1st National Bank of Scotia	All Seasons Equipment	Mr. Richard T. Bievenue
Mr. Steven Borbee	Mrs. Carol Borthwick	Capitaland Motors
Alfonzo DiBlasio & Sheryl Cummings	Tony & Nancy A. DiLorenzo	Bill & Colette Diman
Mr. William T. Dolley	Ms. Christine Dooley	Mr. William H. Eigabroadt
Mr. John Ericson	Ms. Marion L. Foster	Mr. Philip Garvey
Thomas & Joyce Gloss	Mr. Robert B. Grass	Ms. Susanne T. Haberbush
G. F. Harvey	Mr. William Hefner	Mr. Shayne M. Herbeck
Mr. John Kovacik	Mr. Theo C. Lovell	Holger Lukas
Mr. & Mrs. Chester "Bud" Matthews	Brian & Judi Merriam	Ms. Shirley Miller
Mr. Richard J. Murphy	Mr. Daniel P. Nault	Robert & Joyce Newkirk
Ms. Barbara R. Oberdieck	Mr. Frank Overstrom	Leonard & Brenda Prevost
Pupils Benefit Plan Inc.	Tom & Kathy Roche	Ms. Kathleen Rybicki
Mary Ellen & Joseph Sampson	Mr. Mark Shalonis	Ms. Linda A. Snyder
Mr. Henry Strathmann	Ms. Joan Therian	Jeffrey & Wynne Trowbridge
Duane & Pat Van Patten	Donald Webster, DWAP	Mr. Marvin Weiss

ROOM 210 RENTED TO SCHENECTADY COUNTY COMMUNITY COLLEGE AVIATION PROGRAM

The Spring 2021 issue of Aeronotes included a teaser. It stated that ESAM and the Schenectady County Community College (SCCC) "are currently in the process of expanding their working relationship". The process has resulted in an agreement to rent space at the museum to the SCCC Aviation Program. The space being rented is Room 210 on the second floor of the administration wing. Room 210 was, years ago, conceived of as a model making room. It operated as such for a while but in recent years has been filled with partially made models, model-making material and other items.

Volunteers **Joyce Newkirk, Gary B. Davis, Bob Vore, Jim Salvino, Larry McArthur, John Kolwaite** and **Ian Thompson** cleared out the room, cleaned up the room, painted the walls and installed wifi over the course of approximately a week. Then movers from the college brought in desks, partitions and other office furniture. ESAM provided a work table and blinds, and has hung some of its artwork on the walls.

The room will be used by instructor pilots to brief their SCCC student pilots.



**Room 210 ready for use by Schenectady County
Community College Aviation Program**

CLASSIC BRITISH FIGHTERS OF THE COLD WAR

by Kevin Millington

Continuing a series on aircraft of the United Kingdom, I'm profiling two of the most famous British fighters of the Cold War era, the Hawker *Hunter* and the English Electric *Lightning*. Apart from being single-seat jet fighters, these planes had radically different designs and little in common.

The Hawker *Hunter* was conceived in the late 1940's as a replacement for the UK's first generation fighters, the Gloster *Meteor* and the deHavilland *Vampire*. With swept wings and powered by the new Rolls-Royce Avon turbo-jet, the *Hunter* offered superior performance, and emerged as an excellent all-round fighter, and generally regarded as the most successful post-WW II British fighter. With its beautiful aerodynamic design elements, it was both fast and very agile. The *Hunter* made its first flight in July 1951, and entered operational service with the Royal Air Force in 1954. With introduction of the supersonic English Electric *Lightning* interceptor in the



Hawker Hunter

early 1960's, the *Hunter* began to be used more in the ground attack role. At the height of its service with the RAF, it equipped thirty fighter squadrons. It was also widely exported, and delivered to ten foreign air forces, and participated in numerous conflicts, including the 1965 and 1971 Indo-Pakistani wars, the 1967 Six Day War, and the Suez Crisis. A total of 1,972 *Hunters* were manufactured. Although the last *Hunters* were retired from active service in 2014, remarkably, a small number are currently operated by private companies providing contractor aggressor training to the US military.

The English Electric *Lightning* was the polar opposite of the *Hunter*, and was designed as a high-speed interceptor for the RAF, whose primary mission was defense of the nuclear strike V Bomber bases. First flown in August 1954, the *Lightning* entered operational service with the RAF as its first supersonic, radar-equipped, and missile armed interceptor in July 1960. For its mission, emphasis was placed on speed and rate of climb, rather than range. Its design featured several radical elements, with two jet engines mounted vertically, rather than side-by-side, and a highly swept wing of 60 degrees with the ailerons mounted on squared-off wing tips, rather than along the trailing edge of the wings. Not only was the *Lightning* supersonic, but it boasted a top speed of over Mach 2 and a climb rate of over 20,000 ft. per minute, the best of any fighter at the time. On the other hand, the *Lightning* had a very short range, with a combat radius of only 135 miles at full power, and a limited armament load. As a result, it was never widely exported like the *Hunter*, equipping only two other air forces. A total of 337 *Lightnings* were manufactured, and the last were retired in 1988.



English Electric Lightning

With respect to each aircraft, the *Hunter* was powered by a Rolls-Royce Avon turbo-jet providing 10,000 lbs. of thrust and a top speed of 715 mph. With respect to armament, it was equipped with four internally mounted 30mm cannon, and could deliver up to 7,000 pounds of bombs and rockets.

The *Lightning* was powered by two Roll-Royce Avon afterburning turbo-jets, each delivering 16,000 lbs. of thrust and a top speed of 1,500 mph. Armament comprised two Firestreak or Red Top air-to-air missiles, and most versions also had two internally mounted 30mm cannon.

Two Cold War classics!

OUR VOLUNTEERS

ALEX AWARD NOMINATIONS DUE BY OCTOBER 4TH

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 October 4th, 2021.

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 or typed 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 PICNIC HELD ON JULY 11TH

Despite some inclement weather, ESAM volunteers were treated to some great food and excellent comradery on July 11th. Thanks to **First Vice President Rich Bievenue** for arranging this enjoyable event, and to the volunteers who provided the food.



ESAM Volunteer Picnic in the Community Room

LETTERS AND EMAILS LIKE THESE WE LIKE TO RECEIVE

June 15, 2021

Ms. Patricia Barrot
Office Manager
Empire State Aerosciences Museum
250 Rudy Chase Dr.
Glenville, NY 12302-7135

Dear Pat,

Your gift impacts the lives of local Girls! Thank you for donating to support the silent auction at the fifteenth Women of Distinction event.

Your gift of Family Membership to the Empire State Aerosciences Museum for one year received on 06/14/2021, that you valued at \$60 prepares a Girl for a lifetime of leadership. She may conduct an experiment during virtual STEM programs to prepare her to work in a lab doing disease research, lobby her town to learn how to run for mayor, learn about our solar system so she can work for NASA in the future, or follow other paths to her dreams!

Your generosity gives Girls the opportunity to experience life-changing Girl Scout programming. Thank you so much—on behalf of all the Girls we serve—for supporting Girls so they can achieve their dreams!

Yours in Girl Scouting,

Nikki L. Hilchey
Annual Giving Manager

Great experience for my young daughter, and fun for myself. Lots of info with the historical displays. Knowledgeable attendant. Many real planes and a helicopter the kids can sit in.

Jim Hill—5/5 Stars

First time to an aerospace museum. It was larger than expected and very educational for myself and my children. We were on a schedule so we didn't have enough time to explore everything. I'd like to revisit and spend more time here.

Kevin Adams

This was a great experience and a lot bigger than expected. The staff were friendly and helpful. We felt very comfortable with the COVID protocols—inside had directions on the floor and the indoor hangar and outdoor museum are big enough to spread out easily. They have interactive displays and planes/helicopters to sit in—our toddler son absolutely loved it. We went for him but we had fun sitting in the planes and reading about the history behind them too! We're very happy this is in the area and plan to come back.

Sarah Elizabeth

2021 ESAM ANNUAL DINNER MEETING

OCTOBER 20, 2021

RIVER STONE MANOR

1437 Amsterdam Rd, Glenville, NY 12302

I would like to make reservations for # ____ ESAM Members and Guests at \$40 per dinner \$ ____

I cannot attend but I would like to make a donation to ESAM. \$ ____

AMOUNT ENCLOSED \$ ____

CHEESE PLATE and CASH BAR: 5:30-6:15 pm

DINNER at 6:30 pm

Plated House Salad, Dinner Rolls

Entrée Choice of:

Stuffed Chicken Breast with Cranberry & Apple Pear Stuffing served with a Grand Marnier Cranberry Glaze, accompanied with Mashed Potatoes and Vegetables

Roast Top Sirloin , accompanied with Mashed Potatoes and Vegetables

Stuffed Filet of Sole, Spinach, Wild Rice Couscous Blend, Lemon Cream Sauce

Chocolate Truffle Mousse Cake

Coffee & Tea

I have special dietary needs _____

Name(s) _____

Address _____

Telephone _____

Please indicate your choice of entrées: ____ Chicken, ____ Top Sirloin, ____ Sole

DEADLINE FOR RESERVATIONS: OCTOBER 12, 2021

Please make check payable to ESAM and send it along with the completed form to:
ESAM Annual Meeting, 250 Rudy Chase Drive, Glenville, NY 12302

Spouses and friends are welcome

Proxy Form for Annual Meeting

Dear ESAM Member,

The purpose of the Annual Meeting of the Empire State Aerosciences Museum (to be held on October 20, 2021) shall be to elect Trustees of the Corporation, to report on all significant activities of the Corporation during the preceding fiscal year and to conduct such other business as may properly come before the meeting. The Record Date for eligibility to vote at this meeting has been fixed at September 30, 2021. Every member as of September 30, 2021 is entitled to vote and may authorize another person to act for such member by written proxy. To insure a quorum at the Annual Meeting, please date, sign and return the Proxy Form below. The ESAM Board Secretary will be custodian of proxies. Every proxy shall be revocable at the pleasure of the member executing it. These signed proxies will be available at the Annual Meeting, and may be retrieved by those members who will be voting in person that night.

Please send to or leave your proxy with ESAM, 250 Rudy Chase Drive, Glenville, NY 12302, Attention: Proxy Custodian

PROXY FORM

I _____ a current member of ESAM hereby authorize my proxy to
(please print name)
be voted at the Annual Meeting on October 20, 2021 by:

Please check one:

- () ESAM Proxy Custodian on recommendation of the Board of Directors
() Member designated to represent me

Name of designated member (designated member must attend to vote this proxy)

Proxies will be used to determine a quorum. Members present and planning to vote in person are asked to rescind their proxy before the meeting by registering with the Secretary.

Signature

Date

Printed Name

OUR SUPPORTERS

**ESAM THANKS THE FOLLOWING PEOPLE WHO HAVE ESTABLISHED OR RENEWED
THEIR MUSEUM MEMBERSHIPS**

	Galaxy Club	
Mr. Glen de Vries	Mr. Kevin Millington	Mr. Howard Schlossberg
	VIP Sustaining	
Mr. James Conlon	Mr. Frederick Fink	Mr. & Mrs. Joseph Sampson
	VIP Supporting	
Mr. Timothy Benninger	Mr. Steven Borbee	Mr. William Gilbert
Mr. & Mrs. Daniel Grygas	Mr. & Mrs. Lawrence McArthur	Mr. Peter V. Russo, Sr.
	VIP Contributing	
Ms. Sarah Jean Adams	Mr. Tony Brewer	Mr. Raymond Gould
Mr. Kirk Vanderbogart	The Wattenberg Family	
	Business Patron	
	Capitaland Motors	
	Business Supporter	
	Jessica Berman, M.D.	
	Library	
Castleton Public Library	Clifton Park - Halfmoon Public Library	Colonie Town Library
	Family	
Mr. Stephen Arata	Ms. Jennifer Berrios	Ms. Shannon Beyer
Mr. Thomas Bodden	Ms. Christine Boyd	Ms. Erin Broadbent
Ms. Diane Brown	Ms. Theresa Campana	Ms. Cindy Carey
Ms. Deborah Charbonneau	Ms. Kelsi Clark	Mr. Luis Clemente
Ms. Rita Daly	Mr. Daniel D'Amour	Mr. Thomas Dercole
Mr. & Mrs. Michael Dreibelbis	Mr. John Ganfuss	Mr. Karl Groves
Ms. Theresa Jenks	Mr. Brian Jensen	Ms. Alysse Kasowski
Mr. Franz Lavigne	Mr. Ben Lazarus	Mr. Charles LeBel
Mr. & Mrs. Ron Locke	Mr. Bert Longbotham	Mr. Michael Lotano
Dele Loucks-Best	Varvara Meshkov	Mr. Todd Monahan
Mr. Paul Morrett	Mr. & Mrs. Josh Nagy	Ms. Ruta Nerurkar
Ms. Barbara Nolan	Ms. Lisa Petersen	Mr. George Phillips
Ms. Marna Redding	Suresh Regonda	Ms. Chrystal Roue
Mr. & Mrs. Stephen Ruggles	Kris Stark	Mitta Swatoaubak
Ms. Cassandra Totten	Mr. Jason Vandenburg	Mr. David Walker

continued on Page 13

OUR SUPPORTERS

NEW AND RETURNING MEMBERS (continued from Page 12)

	Individual	
Ms. Shannon Chanofsky	Mr. Michael Corson	Senator James Tedisco
	Senior Citizen	
Mr. Ross Armstrong	Ms. Deborah Beranek	Mr. William B. Bibby
Ms. Jean M. Cramer	Mr. Gary B. Davis	Mr. Roger Farley
Mr. James Johnson	Mr. John Kolwaite	Mr. Charles W. Marshall
Mr. James Murphy	Mr. Joseph Palko	Mr. Robert Pollack
Mr. William Siudy	Mr. Pio Venditti	Mr. Martine Waite

RECENT ACQUISITIONS

- It was good to hear from and see **George Yager**, who had been a leader at ESAM for many years. George donated 30 books and two framed prints by Robert Taylor. One print is titled "Home at Dusk". It is of a flight of P-51s and is signed by a number of P-51 pilots including Bud Anderson, a triple Ace of World War II. The second print is titled "Marauder Mission" and is signed by various B-26 crewmen.
- **Nancy Lee Forkas** donated six World War II ration books, a Meritorious Service Award and a Certificate of Commendation presented to **Donald Forkas**, a Ground Observers' Guide, an Aircraft Recognition for Ground Observers Manual and an All-American Insignia Encyclopedia wiz-wheel.
- **Scott Carlin** donated an American Airlines Gate Agent uniform, circa 1990, worn by his father.
- **ESAM Trustee Gary Gershon** donated four plastic model kits and an aluminum equipment dolly.
- **ESAM Trustee Stephen Ruggles** donated the two volume set of the World in the Air.
- **Richard Milewski** donated a 1945 calendar printed by the Chance Vought Aircraft Company.
- **Sharon Wiles** donated eight Commemorative Society First Day of Issue covers.
- **Anthony Hines** donated an Ingersoll Rand T30 air compressor with 80-gallon upright tank.
- **ESAM Trustee and Secretary Marv Weiss** donated three books: an Industrial Training manual from the Casey Jones School of Aeronautics, the aircraft Gas Turbine and Its Operation from Pratt & Whitney Aircraft and Tables of Compressible Flow Functions from Pratt & Whitney.
- **Donald Horne** donated a World War II USAAF Officer's blouse with service ribbons, an Officer's cover and a Type B-2 flying cap belonging to **Major William Mitchell** who was a navigator in the China/India/Burma Theater during World War II.
- **Ross Armstrong** donated multiple issues of Aviation International News and Professional Pilot magazines.
- **Jo Ann King** donated five World War I aviation prints. She believes that the prints may have belonged to **Jack Vander Veer** for whom ESAM's Research Center is named.

The Empire State
Aerosciences Museum is
supported in part by:

Business Benefactors

All Seasons Equipment
AYCO/Goldman Sachs
ALMAC Capital Corp
BBL
Charles White
Curtis Lumber Co., Inc.
1st National Bank of Scotia
Global Foundries
Golub Foundation
Hannay Reels
LoDolce Machine Company

Business Patrons

Capitaland Motors
Richmor Aviation
Zonta Club of Schenectady

Business Supporters

Jessica Berman, MD
Civil Air Patrol
Hannafor
Hildt Aviation Bennington
Price Chopper
Russo Entertainment
Schenectady County
Community College
United Welding
Wal-Mart

Friends of ESAM

The Agneta Family
The Family of Carl Battaglia*
Carol Borthwick
Sanjay Correa
Raymond Davis
Dr. Nancy Fitzroy
The Family of Roger Hannay
Chester & Ann Matthews*
Chester (Bud) & Katie
Matthews
Kevin Millington
David Montana
Mrs. Charles (Mardy) Moore*
Mr. & Mrs. Robert Newkirk
Mr. Ralph Rosenthal
Maureen Sauter
Mr. & Mrs. Marvin Weiss
Mr. & Mrs. Maurice York

Galaxy Club Members

Edward & Roberta Barili
Glenn de Vries
Frank Hackert
John Hackert
James LaDolce
John Panoski
Howard Schlossberg &
Michelle Ostrelch
The Family of Jansz Vander Veer*

*ESAM Charter Member

OUR SUPPORTERS

ESAM is pleased to have received the following contributions
in memory of departed members.

ESAM MEMORIAL CONTRIBUTIONS

Memorial Contributions for Al Hulstrunk

Mr. Raymond E. Davis

Memorial Contributions for Francis "Fran" Miner

Mr. Raymond E. Davis
M.R. Dushen
Mr. John Ericson
Ms. Catherine L. Kelly
McLaughlin Research Corporation
Mr. William H. Miner
Ms. Nancy S. Mitchell
Mrs. Margaret Moore
Ms. Nancy R. Murtlow
Mr. Scott A. Weaver
Ms. Lillian A. Wendel

Memorial Contribution for Dan Sliva

Mr. Raymond E. Davis

Memorial Contributions for Ernest "Ernie" Tetrault

Richard C. Bopp
Ms. Debi Chowdhury
Rae Clark
Ms. Agnes E. Elze
Ms. Anne Fiedler
Ms. Maryann F. Haskell
Mr. Paul W. Martin
Ms. Laura Anne Michelson
Mr. & Mrs. John Seacord
Mr. James Tiano
Ms. Katherine Venette

Memorial Contribution for Ronald Volungus

Hedwig Lemanski

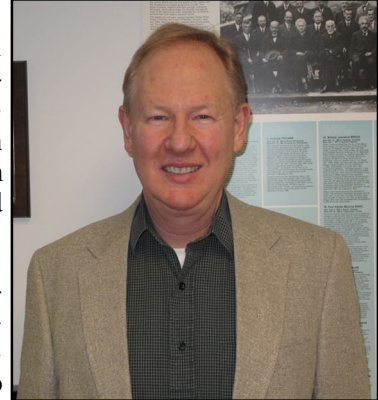
Memorial Contributions for Thomas Walkowicz

Mr. Raymond E. Davis
Mr. & Mrs. Lawrence McArthur

SPOTLIGHT ON OUR VOLUNTEERS

James Johnson

James Johnson retired as Senior Scientist at the GE Global Research Center in Niskayuna, NY, where he was engaged in the large-scale implementation of solar energy for GE. James has over 25 years of experience in thin film process development. He led the technical evaluation of photovoltaic approaches and pioneered the establishment of thin film PV technology at GE. James was part of the team that set several world records for thin film photovoltaic cell efficiency.



James helped develop defensive optical coatings for the C-130 and the F-22 Raptor, as well as advanced infrared optics. He was a principal contributor to intellectual property at GE and holds 17 U.S. patents. In addition, he developed a statistically-based supply and demand model to forecast material sustainability; an approach that has been implemented as a GE best practice for evaluating strategic materials.

James holds technical degrees in welding and laser electro-optics. He also received his B.S. in Physics at the University of Texas at Dallas in 1990, graduating Magna cum Laude. He was awarded his Ph.D. at UTD in 1994 for the development of plasma enhanced chemical vapor deposition of diamond-like carbon thin films. After graduating, James worked at the U.S. Army Night Vision Labs in Ft. Belvoir, Virginia where he developed plasma processes for the fabrication of advanced infrared detectors.

His hobbies include astronomy, physics, space science, motorsports, hiking, and attending music venues.

James recently participated in the STEM Summer Aviation Camp where he presented The Future of Human Spaceflight. He is currently helping lead the refurbishment of ESAM's F-4 Phantom.

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: Wednesday through Sunday 10 AM to 4 PM
Winter Hours, effective October 14: Thursday 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
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

October 16, Saturday - Pancake Breakfast: 8:30-10:30 AM. All you can eat: \$10 for ages 15 and older, \$8 for children 6-14, free for children under 6. 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.

October 16, Saturday - following the Pancake Breakfast **Speaker Brian Lindner**, "Vermont's Most Famous Air Crash The B-24 Crash on Camel's Hump Mountain in 1944"

October 20, Wednesday - Annual Meeting: 5:30 PM. Cash Bar and Cheese Plate. 6:30 PM Dinner. River Stone Manor. (see Page 10 for menu and reservations)

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

November 21, Saturday - Pancake Breakfast: 8:30-10:30 AM. All you can eat: \$10 for ages 15 and older, \$8 for children 6-14, free for children under 6. 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.