

NSM NEWS

SUMMER 2022

Official Newsletter of the National Soaring Museum

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EILEEN COLLINS BOOK SIGNING AT NSM

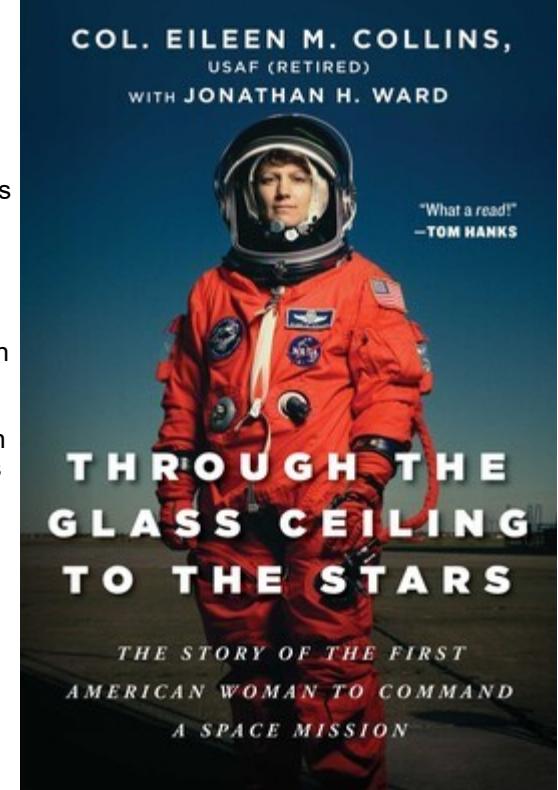
Colonel Eileen M. Collins came to NSM to sign copies of her book, *Through The Glass Ceiling to the Stars*, in the museum lobby on Saturday, July 9, and the event was very well attended!

Elmira native and NSM benefactor, Eileen Collins, was an aviation pioneer her entire career, from her crowning achievements as the first woman to command an American space mission as well as the first to pilot the space shuttle to her early years as one of the Air Force's first female pilots. She was in the first class of women to earn pilot's wings at Vance Air Force Base and was their first female instructor pilot. She was only the second woman admitted to the Air Force's elite Test Pilot Program at Edwards Air Force Base. NASA had such confidence in her skills as a leader and pilot that she was entrusted to command the first shuttle mission after the *Columbia* disaster, returning the US to spaceflight after a two-year hiatus. Since retiring from the Air Force and NASA, she has served on numerous corporate boards and is an inspirational speaker about space exploration and leadership.

Eileen retired from the Air Force in 2005 and from NASA in 2006, having logged more than 6,751 hours in thirty different types of aircraft and spent 872 hours in space. She is the recipient of the Distinguished Flying Cross and NASA Outstanding Leadership

Medal and was inducted into the Astronaut Hall of Fame, among many other honors. Since retiring, she has traveled the world as a motivational speaker. Col. Collins serves as an advisor to the National Space Council and is a board member of the Astronauts Memorial Foundation. She is married, with two children, and lives in San Antonio, TX.

Eileen's co-author, Jonathan H. Ward, works to bring the thrill of the space program to life for the general public as a Solar System Ambassador for the Jet Propulsion Laboratory and as a frequent speaker on space exploration topics to interest groups and at regional conferences. A fellow of the Royal Astronomical Society, he is the coauthor with Michael D. Leinbach of *Bringing Columbia Home* and author of two previous books on space exploration. He lives in Greensboro, North Carolina.



All of the museum gift shop copies were sold during Eileen's event, but an additional shipment was immediately ordered, and we now have additional copies to purchase!



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Editor's Note: A recap and update of Corky Gill's salute to the HHSC Juniors and the Junior Soaring Program. It would be hard to find a more enthusiastic cheerleader and supporter of the HHSC Junior Program than John "Corky" Gill. Keep up the good work, Corky!

THE HARRIS HILL SOARING CORP JUNIOR PROGRAM by JOHN "CORKY" GILL "THE OLDEST SURVIVING JUNIOR MEMBER"



When I go to a soaring contest or a SSA Convention I am always asked, "How does your club get so many junior members and keep them in soaring". Answer: "word of mouth"! These kids go to their school, church, or any other place where kids gather, and say, "I am a pilot". That gets a lot of attention! Some of them come to Harris Hill and join the club. Sometimes families come to beautiful Harris Hill and their kids see other kids their age flying. They join the club. We have several families in the club.

I joined the club in 1946. Started flying, went to contests as crew, and helped where needed. Then, in Jan. 1953, I went into the US Air Force. I even spent three years in the USAF Thunderbirds. While in the Air Force, I was sent to Germany and I joined a German glider club for two years and got a German pilot's license. When I came back to the states, I got my American pilot's license, and I've been flying ever since. But enough about me, back to the Junior program.

Here is a partial list of our past juniors and what they are doing today. Remember, they all started at age 14.

Janine Acee	Reg. 2 Soaring Director
Jacob Barnes	Tow Pilot
Andy Brayer	2017 National Sport Class Champion, Airline Pilot
Tony Bonsenor	Corporate Pilot
Josh Brazinski	Airline Pilot
Tom Cassetta	CFI, Tow pilot
Brian Doan	Active USAF
Jacquie Doherty	Soaring Competition Official
Harold Ennulat	Past USAF, Sailplane Owner
Nikolay Filippov	Airline Pilot
John Fessenden	Past USAF, Active Soaring Pilot
John "Corky" Gill	USAF, (21 years) Schweizer employee inspector. Member of USAF Thunderbirds.
Dave Graham	Retired USAF L/COL flying F-16s, Squadron Commander
Evan Harshbarger	Aerospace Engineering student at Penn State, sailplane pilot
Garey Hudson	Corporation pilot (deceased)
Jason Howard	Corporation pilot - UPS pilot
Todd Knapp	Active CFIG
Steve Lewis	UPS Pilot
Dave McMaster	New Comm (Airline Pilot)
Deirdre McMaster	Active Junior Soaring Pilot
Justin McMaster	UPS pilot
J.T. McMaster	Airline pilot
Randy McMaster	Active Soaring Pilot
Ryan McMaster	Active CFIG - Airline Pilot
Wayne McMaster	Capt. - UPS pilot

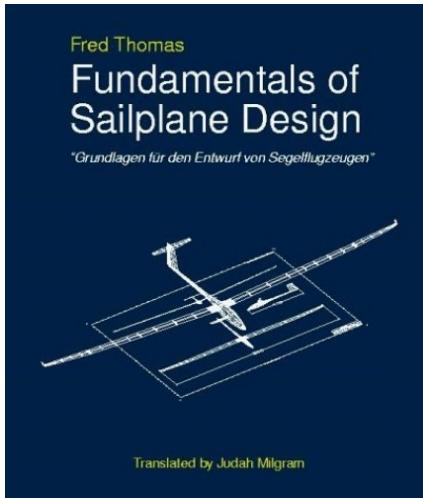


Mike McCann	USAF Capt Flying F-16s Going to Korea soon
Bridget Murphy	Graduate Embry Riddle Aviation School - Planning aviation career.
Sean Murphy	FEDEX Pilot - 757 Captain
Dan Mustico	Active Junior Soaring Pilot
Dan O'Brien	Active Junior Soaring Pilot
Justin Poet	Airline Pilot
Stone Powell	Airline Pilot
Noah Reitter	Active CFIG Tow Pilot
Jason Riegel	Active USAF
Mike Rought	Airline Pilot
Liz Schwenkler	First women to become a USA National Soaring Champion
Eric Shelhamer	Active Junior Soaring Pilot
Steve Sliwa	Past President, Embry Riddle Aviation School
Tom Smith	CFIG, Owner of <i>Smitty Sailplane Repair</i> (deceased)
Lee Smith	Airline Pilot
Corey Sullivan	Corporation Pilot
Monty Sullivan	CFIG, Chief Pilot - Corning, Inc.; Half owner of M and H Soaring
Tim Walker	Corporation Pilot
Heinz Weissenbuehler	Airline Pilot, CFIG, Tow Pilot, USAF U2 Pilot; Half owner of M & H Soaring
Dave Welles	Active CFIG, Retired from Schweizer Aircraft Corp
Alden Wilps	FAA Inspector
Diana Winebolt	Chief pilot of Island Airlines, Hawaii. Still flying sailplanes
Nick Wirz	Aerospace Engineer

Of the 48 people listed above, most are still flying professionally. I know there are many, many, many, more, but I don't know where they are or what they are doing today.



Now Available in the Museum Gift Shop



We have recently received a shipment of *Fundamentals of Sailplane Design* from Judah Milgram, who translated the original German edition of the book into English. It so happens the Dr. Milgram has some very fond memories of Schweizer Aircraft and the Schweizer Soaring School, where he soloed in a sailplane in 1974 at age 14 —

"I think Trafford Doherty was the one who came in a Super Cub one time to pull me back from a field south of Towanda, PA, after I flew right by the airport in a 1-26 on my Silver distance flight... I remember him opening the window of the Super Cub on the way back and dramatically pointing out the airport that I had failed to see!"

This unique book by Prof. Fred Thomas of the Technical University of Braunschweig grew out of the author's work with the Braunschweig Akaflieg (University-affiliated Academic Flying Group). In its original German, it served as a textbook and valuable reference for students in the Akafliegs. This English edition has been expanded and updated to include many sailplanes and technical developments appearing since the latest German edition.

The book emphasizes physical relationships rather than mathematical detail, making it suitable for beginning pilots and engineers alike. It discusses the design of high-performance sailplanes: Aerodynamics, Flight Mechanics, Certification Regulations, Cross-Country Theory, and Design Optimization. It also includes a reference section with basic design data for over 150 sailplanes.

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In Memoriam

Frederick R. Lawrence

May 26, 1927 - July 31, 2022

Fred was in the Elmira Free Academy class of 1945, and proudly served in the US Navy 1945-1949. After basic training at Sampson, he served in the Philippines, Naval bases in California, and the USS Boxer before an honorable discharge in 1949. He was proud of his Navy service, which greatly impacted his life. Fred met Anna Sullivan at Cortland, and they married in 1951. Cortland was very important to both Fred and Anna. Fred Graduated from Cortland in 1954. He was a classroom teacher in Elmira Heights and Elmira City School district for 30 years before retiring in 1984. Fred and Ann enjoyed traveling, - from camping in the Adirondacks to traveling across the country to visit relatives and see National Parks, several trips to Europe, and Hawaii, and spring trips to Hilton Head Island. He was an involved member of the community, a member of the Horseheads Historical society, a Friend of the Horseheads Library, the American Legion, Horseheads Elks, as well as the Audubon society, Sierra Club, Nature Conservancy, and Greenpeace among others. He was very concerned about the environment, and was frequently seen in Horseheads walking and picking up cans and bottles from the roads. He donated the profits to local groups including the Tompkins Corners Volunteer Fire Department. He loved playing tennis, and played in and won local tournaments and participated in local, state and national Senior games. He played in many tennis groups, and had many tennis buddies. He hit tennis balls at 92. He coached tennis at EFA and Elmira College, and was a founder and active member of the Tennis Patrons Association, introducing many young people to the game thru youth clinic programs from the 1960-1980s. He was a lifetime member of the Twin Tier Racquet Club, and was named to the Elmira Sports Hall of Fame in 1989 as a Tennis player, coach and contributor. Fred was also an avid pilot, flying both small planes and gliders. He was proud to be one of a small cadre of local glider pilots to earn a Gold C, and was an active member of the Harris Hill Soaring Association and a Director and active member of the National Soaring Museum. He took his last flight in 2021 at age 94, and said it was "One of the great days of my life". Happily, he had many great days in his 95 years. He filled his life with his loves and experiences, and was a humble, grateful, and generous man.



In Memoriam

Andrew Ainslie

October 9, 1959 - April 12, 2022

Andrew Scott Ainslie, member of HHSC and NSM, died unexpectedly on 12 April 2022 at age 62 in a cave diving accident in Ginnie Springs, Florida.

Andrew was born in Harare, Zimbabwe on 9 October 1959 to Kelvin Scott Ainslie and Oriel Moore (Ainslie, nee Wright). Andrew is survived by his wife, Teri Rueb, of Boulder, CO; mother, four siblings and their spouses. He is also survived by ten nephews, nine nieces and six great nephews and nieces, all of whom have had the privilege of his love, dedication, passion for life, guidance, mentorship and unwavering support. He was cherished and loved deeply as a husband, son, brother, uncle, mentor, teacher and educator by his family, many friends and their families, his academic colleagues, and students across the world.

Andrew attended Borrowdale Primary School (Harare), St. Paul's School (Sao Paulo, Brazil), Blakiston Primary School (Harare), Guinea Fowl High School (Zimbabwe) and achieved his 'A' levels at Churchill High School (Harare). He served as a Lieutenant in the Rhodesian Army for two years as part of a compulsory national service. He studied for one year at Warrick University (UK) after which he moved to complete a degree in Electrical Engineering at the University of Cape Town. He worked as an engineer and then in the business world for a short while and then chose to study for his MBA at the University of Cape Town, for which he achieved the Nedbank Gold Medal of excellence. Andrew graduated with a PhD in Marketing and Statistics from the University of Chicago and was awarded an Assistant Professorship at the Johnson Graduate School of Management at Cornell University. Andrew engaged in extensive research in marketing, statistics, consumer behavior and economics and published and presented papers in various academic journals and at academic events internationally. He forged a successful career as a leader of two top MBA programs and was a dedicated teacher, mentor, supervisor, student advocate and effective strategist. As Associate Dean for the MBA program at UCLA, Andrew led a curriculum change that resulted in a dramatic increase in student enrollments and the ranking of UCLA's Anderson School MBA program. He was appointed Dean at Simon Business School at the University of Rochester in 2014 and during his six-year tenure he successfully led changes in the curriculum and engaged in extensive curriculum development, program marketing and fund-raising, whilst also presenting in the international academic arena. Andrew was an ardent advocate for students and education and was unwavering in his commitment to advancement of ethics in all spheres of academic and human endeavors. He chose to step down as Dean in 2020 to spend time with his wife, yet continued as Benjamin Forman Professor of Marketing and never wavered in his dedication to education, the pursuit of knowledge and the advancement of higher education. Andrew established an Office of Student Engagement at the Simon Business School which will be named after him this month.



Andrew lived his life to the fullest with a passion for people, academics, adventure and exploration, literature and philosophy, music, animals (particularly three-legged and less fortunate dogs), food and wine, and all things mechanical or challenging. He had a unique and brilliant mind and was a strong, generous, loving, supportive and enquiring man who lived life with love, integrity, honesty, honor and a wonderful sense of humor. He was a dedicated husband, family member, leader, mentor, teacher, and friend who always offered unwavering love, support and commitment to all whose lives he touched. Throughout his life he exhibited an unrelenting passion for knowledge, exploration, adventure, challenge, a good debate, fun and of course a good wine! He lived life with integrity and strength and leaves a remarkable legacy for family, friends, students and colleagues. He exhibited strength and determination in all that he embarked on, along with a touching humility in his love and generosity of spirit. Andrew loved the outdoors and was a highly accomplished pilot, glider pilot, technical diver, hiker, motorcyclist, and renovator of all things challenging. As an exceptionally accomplished cave diver, he discovered caves that had never been mapped before, including sections of Ginnie Springs, Florida.

Call for Volunteers

This year, the museum will be open every day 10-4 all during the fall and winter. We could use some extra help! Help is particularly needed during the weekends in the gift shop. No experience necessary. We will train you! Time slots available will be 10-1 and 1-4. The director will be here every weekend.

In Memoriam

Fred Matteson

July 22, 1925 - June 22, 2022

Frederick H. Matteson was born in Bad Axe, Michigan July 22, 1925 to Dr. and Mrs. Harold Matteson (mother's maiden name, E. Mildred Matson). He grew up in Ann Arbor and Flint, MI, where his father practiced oral surgery. He attended schools in Michigan, Florida, Illinois and graduated from High School in Kokomo, Indiana. He enlisted in the Navy and was enrolled in the V-12 Officer Training Program, at Norman, OK. and Atlanta, GA. He was commissioned an Ensign as an aviation officer and received a Bachelor's degree in Aeronautical Engineering from the Georgia School of Technology in 1946. He worked as a Research Scientist for the National Advisory Committee for Aeronautics at Moffett Field until 1954. He earned a M.S. degree in Mechanical Engineering from Stanford University in 1949. He was sent to Wiesbaden, Germany, where he served as Aircraft Branch Chief and later

Assistant Chief of the Aircraft and Accessories Division, Hq. Air Material Force Europe. He served on a NATO subcommittee and advised various NATO countries. In 1956 he joined Hiller Helicopters and served as the Flight Test Aerodynamicist on the X-18 program at Edwards Air Force Base and developed stability augmentation systems for various helicopters. His design for a 4-engined Tri-service transport was chosen and built as the XC 142A, the first 4-engined transport to fly from an aircraft carrier. He left the Fairchild-Hiller Corporation as Chief Aerodynamicist. He then became a co-founder of Aerostructures, Inc. and served as Chief Aerodynamicist until he retired.

During the Vietnam War he was asked to teach at San Jose State University in the Aeronautics Department. In 1974 he was awarded a Doctor of Philosophy degree in Industrial Engineering from Stanford University. He moved to Hollister, CA and worked part-time as a consulting engineer and as a designer of agricultural aircraft and equipment for Weatherly Aviation. He and John Weatherly designed and built a controllable variable-pitch windmill drive for spray pumps that found application worldwide. Fred was a lifelong cyclist, having traveled through many states and countries on his bikes, and continued to use the bike for exercise and running errands.

He designed and built bikes and wrote articles on bicycle design. He was a pilot of airplanes, helicopters, and sailplanes. He designed, built and flew his own sailplanes and assisted designers of various other sailplanes, wrote papers on sailplane design, and was an author of the **American Soaring Handbook**. He was a member of the American team to world soaring championships in Poland and England. He did research on aviation safety and accident analysis, and served as an expert witness in accident investigations. He loved music and enjoyed composition. Fred is survived by his wife, Helen C. Lo; step-son, Warren D. Lo; and 3 step-grandchildren.



photo by Bo Michalowski

IN MEMORIAM

Jack Baugh
Anita Bennett
Art Wilder

MEMORIAL DONATIONS

In Memory of
Bill Schweizer
by
Frederick M. Genung, II

In Memory of
Maurice Winfield Starr
by
Leslie Starr

In Memory of
John "Jack" Lesser
by
Mary Lesser

In Memory of
Frederick R. Lawrence
by
David & Judith Clovsky
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NEW MEMBERS

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Victor Nippert

Family
Karen Hayman
Mel Chapman
Bo & Roman Michalowski

Bronze
Glenn C. McGovern
Brendan & Michelle Henehan

HHSC Senior
Scott Hendrickson
Sandra Ryder
Simon Prosser
Jenna Cooper
Hans Haas
Camila Uribarren
Ken Faris
Zach Teeter
Nuriye Tok
Bob Dengler
Ty Mathis
Akshay Sood
Kai Pan
Rachel Durso

HHSC Junior
Carver Robbins
Alexander Matteson
Caelen Mathis

FLYING THE MINIMOA - Burt Compton

I was invited by the owner Jerry Wenger and restorer Tom Evelo to fly the rare 1938 Minimoa at the Vintage/Classic Sailplane Regatta at Lawrenceville, Illinois, in June 2022.

Honored to be invited, I knew this would be two very special flights because **this Minimoa is the exact sailplane my father, Fritz Compton, flew circa 1950.**

Dad was a Captain at Eastern Air Lines as was the owner, Captain Shelley Charles. Dad had a highly modified Laister-Kauffman LK-10A sailplane in which he installed a squeeze bulb to spin up a turn and bank instrument so he could enter growing cumulus clouds to climb high "off airways." Captain Charles installed the same device in the Minimoa. Dad told me the Minimoa flew beautifully. After my two flights totaling one hour and forty-nine minutes, I concur. Thank you, Jerry and Tom for a unique experience that was amazing and a bit emotional.



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The Hilliard Foundation

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Elmira, NY 14903

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**SUMMER
2022**



MUSEUM HOURS

May 1 - Oct. 31
Open daily 10-5

Nov. 1 - Apr. 30
Open daily 10-4

Museum closed on the following holidays:

New Year's Day
Easter Sunday
Thanksgiving Day
Christmas Eve
Christmas Day

HARRIS HILL SOARING
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Elmira, NY 14903
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Soar Harris Hill

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JUNIORS PROGRAM 

NEW FLIGHT CENTER 

NSM Membership Form

Please check the membership category of your choice and return to:

The National Soaring Museum, 51 Soaring Hill Dr., Elmira, NY 14903

Basic \$35 Family \$50 Bronze \$100 Silver \$250
 Gold \$500 Diamond \$1000 Cayley Society \$2500

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e-mail address _____

My check is enclosed

Please bill my Credit Card# _____ exp. date _____
(MasterCard-Visa-Discover-American Express) V-code _____

Signature _____

**Additional tax-deductible donations will be used for museum improvements, including
upgrading facilities, restoration shop and new exhibits.**

My additional donation _____

Membership Benefits: Unlimited free admission • Invitations to exhibit openings and receptions
Guest passes • Subscription to the museum newsletter & journal • Volunteer opportunities
Discounts on museum programs and events • Discounts in the museum shop