





WHAT GOES AROUND . . .

Our final Young Eagles event of 2022 proved quite interesting. One of the pilots was a former Young Eagle who came back to return the favor, and another new pilot arrived to do the same thing. He, however, was a product of the Ray Scholarship program. Ashton Sterk (left) and Ryan Flores share our front page this month, and both of their stories are included in this issue: Ryan's on Page 8, and Ashton's on Page 12. How significant are EAA's programs? Go take a look.

VOLUME 20, ISSUE 11 November 13, 2022

Inside this Issue:

President's Corner	2
Minutes	3
VMC Club & An Invitation	4
Last Month's Program	5
October's Young Eagles	6
This Month's Program & Pot Luck	7
A Transplant Flies Young Eagles	8
Election Results	9
Phil's Gorgeous 601	10
Scholarships :	11
From Young Eagle to Pilot	12
Hangar Fees & Chili Contest	13
Visit Our Sponsors	14

Special points of interest:

Our next gathering will be in person and online, Monday, November 21 at 7:00 p.m. IMC/VMC Clubs meet the 2nd Monday of each month at 7:00 p.m. Young Eagles Rallies and pancake breakfasts closed for the season. We're always looking for good ideas for pro-grams. Please contact Larry Young with your information.

President: Mike Dooley

President Emeritus: Larry Young

Vice President and Young Eagles Coordinator:

Chris St. Germain

Secretary: **Rob Schmitt**Treasurer: **Rob Ravencamp**

Board: Jim Brady, Paul Rodriguez, Larry

Rhoads, Phil Ishmael

Tech Counselors: Bill Gill, Mark Burrow, &

John Rice.

Flight Advisor: Bill Gill

Program Chairman: Larry Young

Maintenance: **Tom Licata** Newsletter: **Bruce Hood** Web Editor: **James Perkins**

Eagle Flight Coordinator: Mitch Stafford

EAA Chapter 91, Lee's Summit Municipal Airport (KLXT) Lee's Summit, Missouri

President's Corner

EAA Chapter 91 president, Mike Dooley

EAA has a number of programs intended to improve the safety of homebuilt aircraft, aimed at improving the quality of construction, the preparation of the builder/owner to pilot the aircraft, and to ensure thorough testing of the aircraft during its initial (Phase I) flight testing. Our chapter is fortunate to have volunteers supporting these programs as trainers, Technical Counselors and as a Flight Advisor.

In the training role, Chapter 91 offers classes in sheet metal construction, welding, aircraft wiring, and the use of composite materials. Please contact me if you're interested in learning a new skill.

We also have three Technical Counselors in the chapter whose role is to "help members present a 'zero defect' aircraft at final inspection by the FAA." Mark Burrow, Bill Gill, and John Rice are experienced builders who can help you make the right choices during construction. This is a voluntary program, so the builder must invite a Technical Counselor into their shop for a visit, and the results of the visit will be documented in the form of a written report that can become part of the builder's construction log.

Bill Gill also serves as the chapter's Flight Advisor. His role is to advise builders on the specific training needed to prepare them to fly an unfamiliar aircraft. I urge builders to reach out to Bill to ensure they understand the transition training required to make flying their new aircraft as safe as possible.

EAA has also published a Flight Testing manual with individual Flight Test cards to make the Phase I testing process a well-organized test program that results in a Pilot's Operating Handbook for the aircraft. I encourage members to make use of these resources versus just "flying off the hours." John Ford and I have used the EAA Flight Test Manual and test cards as part of the flight test process for my RV-8 and can answer your questions about how best to apply this program to your aircraft.

Mark your calendar! We've got some great programs coming up including:

- November VMC Club: Monday, November 14 at 7 pm. In-person only.
- Social: Friday, November 18. Theme is Taco Night with the chapter providing the taco assembly line. Please bring a side dish or dessert to share. RSVP to me at 816 956-1887 or jump88@aol.com before Thursday, November 17. Serving line will open at 6 pm.
- Gathering: Monday, November 21 at 7pm. Guest speakers: Carol and Brian Carpenter from Rainbow Aviation in Kingsville, MO will provide information about their Light Sport maintenance school.
- Lee's Summit Municipal Airport Tenant Open House: Thursday, December 1, 5:30-8pm at Hangar One (2525 NE Douglas St.). Airport management/ LS Public Works will present information about airport improvements and construction in 2023.
- Chili contest and dinner: Monday, December 19 at the Eagle Hangar. Contest begins at 6 pm. Serving line opens at 6:30 pm. RSVP to me at 816 956-1887 or jump88@aol.com before Thursday, December 15.

Stay safe and have fun! Enjoy the fall weather and aviate when you can. See you at the Eagle Hangar!

EAA CHAPTER 91 GATHERING

Meeting Minutes October 17, 2022

NOTE: held as hybrid (online and in-person)

I. Agenda:

- a. The meeting was called to order by Vice-President Chris St. Germain at 7:00 pm.
- b. Greetings to members and guests.
- c. The Pledge of Allegiance was conducted.

II. Announcements:

- a. Chapter elections are tonight.
- b. Treasurer: New accounts have been set up at our bank. Signature cards are signed.
- c. Secretary:
 - i. Approval of meeting minutes from September gathering. Motion was made by Bruce Hood, 2nd by Paul Rodriquez, motion passed.
- d. Hedrick Scholarship Committee.
 - i. The Hedrick Scholarship has completed its review of the applications received and has awarded two scholarships worth \$1,500 each to Rowan Lange and Patrick Flannigan.
- e. Young Eagles update: Chris St. Germain stated that 60 Young Eagles were flown at last Saturday's event. The chapter is approaching 13,000 total flown.
- f. Ray Scholarship update: Jim Brady stated that Veronica Amburn has been awarded a Ray Scholarship for the 2022 program by EAA Headquarters. She was presented at hat and T-Shirt by Jim Brady. Congrats to Veronica!

III. Old Business:

- a. Our next TIG welding classes will begin again soon for those on the waiting list. Tab Sunderland will be our instructor. Class time and date TBD.
- b. Classes are available in aircraft electrical systems, sheet metal, composites, etc. See Mike Dooley.
- c. Young Eagle Build and Fly (RC) model build; Susan Calvin stated that the RC model is now completed, and the 1st flight will be soon.
- d. Chapter Gear:
 - i. Caps: \$10-\$12 each, depending on style.
 - ii. Patches: \$3.
 - iii. Polo shirts; Phil Ishmael is coordinating an online order solution.

IV. New Business:

a. Elections: The slate of candidates and ballots was presented for voting. 28 members participated.
Votes were tabulated by Nancy Inderwiesen. Election results were as follows: President – Robert Schmitt, Vice-President – Chris St. Germain, Treasurer – Sandy Rice, Secretary – Becca Danik.
Board Members: Jim Brady, Phil Ishmael, Paul Rodriguez, Larry Rhoads.

V. Events for your calendar:

- a. Board meeting: November 7th, 7 pm.
- b. VMC Club meeting: Monday, November 14th, 7 pm.
- c. Chapter social: Friday, November 18th at 6 pm. Please bring a dish to share.
- d. November gathering: Monday November 21st, 7 pm. Program will be presented by Rainbow Aviation on their maintenance program for light sport aircraft.

VI. Wants and Needs;

- a. Tom Brunning provided information on his airport for sale. Identifier is 89MO. 2400 ft. grass strip located in Cass County.
- b. Jeanne Willerth has a safety program seminar that will be presented on 9 November recapping her 2022 Air Race experiences.
- VII. Tonight's presentation: Alicia Cianciolo, a NASA engineer presented on the Artemis Program and Human Landing System.
- VIII. Meeting was adjourned at 8:45 pm.



Our next meeting of the VMC Club will be Monday, November 14th at 7:00 p.m. Central Standard Time. This meeting will be in-person only.

Aviation statistics have often shown us that mid-air collisions generally most often occur near airports. (Well, duh. That's where the aircraft are.) But they also take place in clear weather. Let's talk about your options when it is you versus a big guy.

We meet at the Chapter 91 EAA hangar at the Lee's Summit Airport. Driving directions - take I-470 to Exit 9, Douglas Drive / Lee's Summit Drive, and turn north. At the bottom of the hill, turn right and follow the road to the end. The Larry Young Eagle hangar is on the west side of the parking lot next to the Cessna on a Post.

There is no cost to sit in on our monthly meetings. IMC membership is free to EAA members and guests. Not an EAA member? Ask me about a free six-month EAA membership.

Chris Hope, CFI-I, IMC Club Facilitator 2018 FAA Flight Instructor of the Year, Central Region

YOU ARE INVITED

The following invitation was received from Chris Hope.

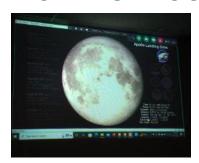
A note to all of my flying / wine drinking friends. Friday, November 18 is the annual Angel Flight Central Wine Flight celebration. I know some of you have attended in the past and have enjoyed it. For the rest of you, here are three reasons you might consider joining me.

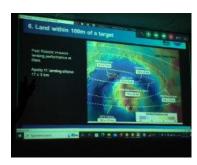
- 1. A chance to hang out with pilot (and non-pilot) friends
- 2. A chance to support the work of Angel Flight Central, transporting people in need of doctors' appointments all over the Midwest
- 3. A chance to drink great wine, the "leftovers" from the prestigious Jefferson Cup Wine Competition that concludes the night before this event.

CLICK HERE TO JOIN ME https://angelflightcentral.org/events/wineflight2022/https://angelflightcentr

LAST MONTH'S PROGRAM







In my sort-of extended family is an aerospace engineer who worked to develop and insert the International Space Station into space. I was never privy to any of the discussions surrounding that venture, so I was most interested in hearing about the more recent Artemis program. Alicia Cianciolo works for the NASA's Langley Research Center which is in charge of that project. She is the Systems Engineer Deputy and presented our October program. Alicia is also a local gal with ties to Chapter 91 and KCRC.

The essence of the Artemis program appears to be using missions to the Moon as a precursor for an ultimate excursion to Mars. Alicia gave us her viewpoint into the incredible challenges in this enormous effort. After seeing what she showed us, we have new found respect for anyone who understands what must be done.

Ultimately Artemis will put the first woman and the first person of color on the Moon. It will also allow for the testing of new technologies in many areas, including space suites and robotics. We will also be able to explore vastly more of the Moon's surface than ever before. The results of that exploration and the overall experience involved will open vast new areas for mankind.

Then, when everything is properly tested and proven, the final step of going to Mars will take place. So Artemis is actually an entire series of projects leading up to that goal. It gives the United States the opportunity to reestablish its leadership in space exploration, and to work with private companies like Elon Musk's SpaceX to achieve our goals. There's no question that space is our final frontier, and linking it with commercial interests is inevitable.

We certainly appreciate Alicia's presentation and her willingness to bring us along to see what the future holds. We will now watch news of the Artemis project with a new respect. Alicia has graciously provided a link to her presentation which you can view online here:

https://www.dropbox.com/scl/fi/y6xiz2n6y0xlyy4sxuvlp/EAA_Artemis.pptx?dl=0&rlkey=tanc9i1z90ndyhv50mjh3ic7h

SOME OF OCTOBER'S YOUNG EAGLES

















































THIS MONTH'S PROGRAM

Most non-flyers probably don't know you are allowed to build and fly your own aircraft. Still others are not aware of the exclusivity of LSA, or Light Sport Aircraft. Yet, it is this category that appears to be exploding as an industry. The Light Sport industry has opened new avenues for pilots and aviation enthusiasts. Further, it allows many to enter and enjoy flying who otherwise may have been locked out thanks to expense limitations.

Part 103 of the FARs outlines the details of LSA aircraft which includes details concerning who can inspect and perform authorized maintenance on these machines and their power plants. Learning how to conduct such maintenance and inspections is what brought Rainbow Aviation Services into existence.

Rainbow Aviation, owned by Brian and Carol Carpenter, is headquartered in nearby Kingsville, Mo. Since 1991, Rainbow has developed more than 5,000 students who have completed its various programs focused on LSA maintenance. Rainbow offers FAA approved training classes that qualify students for various ratings and certificates the agency authorizes. One such capability allows even a non-pilot to become an authorized LSA repair technician who can offer such services to anyone and charge for those services. Being an A&P is not a prerequisite for holding this certificate, but the experience can be used to earn an A&P rating if desired.

Finding out all about this impressive, almost local company is what you will learn at our next chapter gathering on Monday, November 21. Brian and Carol Carpenter will be present to explain this often overlooked area of aviation and what's involved in entering it. As has become our custom, you may attend either in person or via the Internet using the trusty GoToMeeting app. If you attend in person, you'll want to be in your seat at the Larry Young Eagle Hangar at KLXT by 7 p.m., ready to go. We believe you will find this a most stimulating, informative, and maybe even profitable program, so please plan to attend. You may decide to look further into LSA repair services for yourself.

NOVEMBER'S POTLUCK

Now that the weather has cooled, our potluck cookouts will move inside to the Larry Young Eagle Hangar clubhouse. Assuming, that is, we are not blessed with a heat wave on Friday, November 18. The event will start at 6 p.m. so come a bit early to guarantee your place in line. The chapter will furnish all the necessary elements for a taco night so please bring appropriate side dishes to share. Please RSVP to Mike Dooley (816 956-1887 or jump88@aol.com) to ensure we'll have enough food for everyone.

TRANSPLANT FLIES YOUNG EAGLES







While our October Young Eagles event may have been the last one for 2022, it was only the beginning for new members Ryan Flores and his dad, Pedro. The Flores' are from San Diego and recently moved to our area in August. While California's loss is our gain, what's truly interesting is that Ryan chose this event to kick off his career flying Young Eagles himself. Ryan just turned eighteen and is a newly-licensed private pilot. But get this — he was a Ray Scholar with San Diego's EAA Chapter 14.

Ryan has known since kindergarten he wanted to fly, so it was no surprise to him or his family when he accomplished that goal. The Ray Scholarship was instrumental in that achievement. Ryan is still considering his options — military, airline, or corporate flying. But at nineteen, he has plenty of time to choose.

His initial Young Eagles event proved frustrating since he was only able to fly a single passenger. The problem stemmed from a dead battery on the Cherokee Warrior rented from a downtown FBO. The technician finally arrived at KLXT and replaced the defective battery, but that delay didn't leave Ryan much time to fly. However, he promises to join us again next April when we restart our 2023 program.

While in San Diego, Ryan was active in the CAP and volunteered extensively with Chapter 14. During his short flying career, he has had some serious experiences including three engine failures and a close encounter with an FA-18. It sounds like there are plenty of stories where those came from, so maybe we will learn even more before too long.

We are delighted to have Ryan and Pedro join us, and we look forward to getting to know them better.

ELECTION RESULTS



Back row, L to R: Phil Ishmael, Jim Brady, Larry Rhoads, & Becca Danik. Front row, L to R: Sandy Rice, Rob Schmitt, Paul Rodriquez, and Larry Young (President Emeritus) Not shown: Chris St. Germain.

The election season has ended, and you have done your civic duty. To Chapter 91, that is. Our membership voted overwhelmingly to sustain the list of candidates as submitted.

For the officers, Rob Schmitt was elected president, Chris St. Germain retained his title of vice president, newcomer Becca Danik became our secretary, and Sandy Rice accepted the financial duties of treasurer. Mike Dooley, long-serving former president, turned down another term as president and Rob Ravencamp gave up the office of treasurer. Rob Schmitt moved to the presidency from his current position as secretary.

As to the board, those existing members remained in place. Paul Rodriquez, Larry Rhoads, Phil Ishmael, and Jim Brady make up next year's board of directors just as they have for the past two years.

The new officers and board members will take office on January 1; the existing positions remain in effect until then.

Our sincere thanks to all these members who have volunteered to help keep the chapter vibrant and active. They serve from a sincere belief that helping our organization is worthwhile and rewarding. And a special thanks to Mike Dooley and Rob Ravencamp for their recent service plus all of you who voted.

PHIL SCHMIDT'S ZENITH 601









Last month we heard Phil Schmidt's Zenith 601 received FAA Certification. Wow! This is one amazingly beautiful bird! Phil bought the kit in 2005 and it withstood several moves while he and Lynn juggled residences. But that forced abandonment of the project for lack of workplace. Finally, Lynn spotted their current home in Belton and encouraged the purchase. The detached garage which was winterized and used to bring the creature out of its ten year storage to be completed.

Power is from a 130 HP Honda created by Viking Aircraft Engines in Edgewater, Florida. Phil was impressed with the performance of the demo 601 at Zenith's factory and purchased the engine immediately. While the ground-adjustable prop is yet to be tweaked, the plane hit 140 MPH on its first flight. The test pilot was Jan (it's Norwegian so is pronounced "Yawn") Eggenfellner, president of Viking Engines, who volunteered to handle the initial flight. Phil expects a true airspeed of around 150 MPH at 10,000 feet and 75% power burning around 4- 1/2 gallons per hour. That fits the grand-touring mission profile nicely – thus, the registration N601GT.

The plane is nicely equipped with an iFlight GPS, AvMap Ultra EFIS, and a Trig transponder furnishing ADS-B out. The luxurious interior will keep Phil and Lynn comfortable on many upcoming flights.

Of course, the initial eye catcher is the gorgeous graphics and color scheme. With Phil being a world-class artist, we wouldn't have expected less. But what you see isn't paint. Instead, it's a vinyl wrap. Phil designed the scheme and tied in blues, silver, with teal, Lynn's favorite color.

Phil commented that the vinyl application is less expensive than traditional painting, and he's looking forward to showing how he did it in a future program.

Phil claims about three hours of personal time since the initial flight, and is looking forward to completing the testing phase so he and Lynn can take some of those long dreamed-of trips. By the way, Phil gives Lynn a lot of credit for the success of the project. He just might be a keeper, Lynn.

NEW RAY SCHOLARSHIP CONFIRMED



For several years, Chapter 91 has earned the right to sponsor a young person, who is interested in flying, into the Ray Scholarship program. Our record of accomplishment means several have been able to use up to \$10,000 in scholarship funds to earn a pilot's license. Again this year, the chapter's nominee was approved by Oshkosh, and we are pleased to introduce the membership to Veronica

Amburn, our newest Ray Scholarship winner.

Veronica's win was announced at our last chapter gathering where she was presented with appropriate attire by scholarship coordinator Jim Brady. Veronica has volunteered to work with our Young Eagles program, helping at the very busy administration table. But she's been on the other side, too, since she's flown with us many times as a Young Eagle herself. Veronica is currently attending St. Michael the Archangel High School located very near the departure end of KLXT's Runway 36, and has already begun her flight training. Her future plans include flying in the U.S. Air Force, so we are confident this award will help her get there.

We are very proud to welcome Veronica into the elite group of Chapter 91-sponsored Ray Scholars. Keep an eye on this young lady — she's clearly going places.

THE FIRST HEDRICK SCHOLARSHIP RECIPIENTS



Chapter 91 recently implemented its own scholarship program to assist local pilots or pilot wannabees to offset up to \$1,500 of costs. The eponymous Phil Hedrick Scholarship was made possible by the generosity of Phil's estate. Since this is the first year the program has been available, it's axiomatic that our recipients hold the distinction of being our first winners.

Congratulations to Patrick Finney and Rowan Lang. Patrick just received his private pilot's license courtesy of EAA's Ray Scholarship so he's planning to use his new funds to continue adding hours. Rowan will apply his proceeds to working on his private ticket. Well done, guys. And good luck.

FROM YOUNG EAGLE TO PILOT









When I saw Ashton Sterk at our October Young Eagles event, I knew he looked familiar. Ashton had been a Young Eagle since 2013 and logged well over fifty flights. But he was now getting ready to take up his first Young Eagle passengers himself. You see, Ashton earned his private ticket in November 2021 and now has more than 120 hours under his belt. He linked up with Chapter 91 member and CFI Chris Hope to get his license. He's currently enrolled in college at UCM in Warrensburg and is working on his commercial and instrument ratings in the college's aviation program. Ashton is eying an airline career with the likes of Southwest, United, or American.

If you've ever wondered just how important the Young Eagles program is, you need look no further than Ashton. He's proof positive what we're doing has a lasting impact. And we welcome him to the chapter as a flying member.

MARTY CELEBRATES BIRTHDAY WITH YOUNG EAGLES



President Emeritus Larry Young recently celebrated his 92d birthday at our October board meeting, and he got a lot of press for it. Not to be outdone, however, was his lovely wife, Marty, whose own birthday follows closely behind. While Larry chose to share his big day with the board, Marty decided to celebrate hers with our final Young Eagles breakfast of the year. While I'm confident that recognizing birthdays in the Young house isn't a competition, you'd have to give extra points to the one willing to join the youngest among us for her special day. Be sure to mark your future calendars for October 15 as Marty's next birthday. Larry's is on the 2nd. I'm sure they'd love to hear from you next year.

MIKE'S MUSINGS

Workshops!

Thinking of building an aircraft but don't think you have the necessary skills? I've been teaching aircraft construction skills for several years now, and I've found that skill development workshops are a great way to begin. Workshop topics include riveting, aircraft wiring, and composite construction techniques.

If you're interested in learning a new skill, please contact me at 816 956-1887 or by email: jump88@aol.com.

Hedrick Sale Update

Remaining items from the Phil Hedrick memorabilia collection are on sale at The Olive Branch Antiquities and Oddities shop in Odessa, MO. It's a fun shop to visit and we encourage you to support the shop as it continues to sell items on behalf of the chapter. The Olive Branch is located at 123 S. Second St., Odessa, MO 64076

HANGAR FEE INCREASE ANNOUNCED

Have you noticed that prices for everything have increased lately? Yeah, it's kinda hard to miss. No one likes increasing prices, but sometimes it's just necessary. Chapter 91's hangars are true bargains for our members — probably about the best prices in the area. The original plan for our hangar program included ensuring the hangars remain self-sustaining, which just makes good sense. Well, after nearly six years of steady low rental fees, inflation has forced the chapter to raise those rents in order to fulfill the original intent. So effective January 1, rental prices will go to \$200 per month. But it's still a bargain! Again, we wish we didn't have to do that, but the numbers are proving it has become necessary. If you want to discuss this further, please contact Mike Dooley (816 956-1887 or jump88@aol.com) or Rob Ravencamp (rob.ravencamp@outlook.com).

ANNUAL CHILI CONTEST COMING SOON

December is on its way and that means our annual chili contest and chili dinner will be here very quickly. This popular event serves as our December chapter gathering and is always well attended. Mike has made the announcement in his column on Page 2 so go check it out. If you intend to participate, please contact Mike at 816 956-1887 or at jump88@aol.com. It's gonna be fun!

2750 NE Douglas St. Lee's Summit, MO 64064



THE MONTHLY NEWSLETTER **EAA CHAPTER 91 November 13, 2022**









2751 NE Douglas Street | 816.969.1800 | LSairport.net

CHRISTOPHER HOPE FAA Certified Flight Instructor Single \ Multi Engine; Instruments Master Flight Instructor - Certified Beech CFI www.ChrisHopefaaFlightInstructor.com 9717 Harvard Kansas City MO 64134 816-763-5205 / 816-868-7655 thehopesChris@gmail.com





RICK'S Auto Clinic & Collision Center

Personal Service - Professonal Quality

8214 Westridge Road • Raytown, MO 64138

816.353.3777 | 816.353.2639

Mon-Fri 7-5:30

Blue Valley GOODYEAR 6717 W 119th St

Overland Park, KS 66209 913-345-1380 (n) 913-345-2197 (f) bvgoodyear.com



7540 Metcalf Avenue Overland Park, KS 66204 913-232-7878 (p) 913-291-2695 (f) oadesbrothers.com

Andrew Gallaher

Manager - Douglas Tire







Lee's Summit, MO 64086 816-246-7177 (p) 816-246-7132 (f) douglastire.com

Family owned and operated for over 25 years



TIM'S PIZZA

In The Country Meadow's Center 17201 E. 40 Highway Independence, MO 816-478-0777

Dine In or Carry Out



4 KC METRO LOCATIONS 2 TOPEKA LOCATIONS

8609 E 63rd St - Kansas City, MO 6545 Troost - Kansas City, MO 920 E 23rd St - Independence, MO 2163 NW 7 Hwy - Blue Springs, MO

You OTTO Wash Today!



CUSTOM COMPOSITES

AIRCRAFT & AERODYNAMICS COMPOSITE TOOLING

RAPID PROTOTYPES

BUILDERS ASSIST CAD TO CNC

REPAIRS

TOM MCNERNEY (816) 309-6038 TOM@LAMINARCONSULTING.COM

Be sure to visit our sponsors