



LAKE IN THE HILLS, ILLINOIS

Winds Aloft

EAA Chapter 790

Lake in the Hills, Illinois

790.eaachapter.org

July 2023

From Matt Van Bergen, Chapter 790 President

The summer is flying by! This one seems especially busy for me personally with lots of family things going on which means I might be spending more time on the water than in the air. I do have a couple of personal updates though...



First, I took my Commercial Rating check ride on June 7th and wouldn't you know—I passed! It was quite an experience. The last rating I received was my Instrument Rating a few years back. How soon I forgot how much of a commitment earning a new rating really is. Lots of flying and lots of



studying. With that said, I am very happy I did it. It really made me a better pilot (at least I think so). While being able to have the commercial rating on that little card we all carry is the ultimate goal, what I really enjoyed was flying with an instructor on a routine basis while we practiced pylons on eights, chandelles, lazy eights, power-off 180s, etc. Sure, we focused on whatever was required for the commercial rating, but the amount of knowledge I absorbed during those flights was invaluable. It was like a tune-up for my flying skills and knowledge. Two days after passing the check ride, my family and I took off for 10 days in Croatia. What a great trip. The Adriatic Sea is so

beautiful. We flew into Zagreb, rented a car and made our way along the coast down to Dubrovnik. It was a great trip.

I hope you are all ready for Oshkosh. It's getting close! If you plan to attend, don't be shy, shoot me a text (847-561-0520) if you want to meet up. I'll be camping at Camp Scholler from Sunday to Friday morning. Enjoy this magical week!



Dubrovnik, Croatia



Matt and family





Lined up for Camp Scholler 3 weeks before AirVenture

Oshkosh!

What a great time of year— on the front side of AirVenture at Oshkosh! Plans are well under way for everyone who is going, ranging from local people to folks from upwards of 50 countries around the world. The stats of Airventure are common knowledge but always impressive. Attendance for the week is north of 600,000 which includes thousands of people camping and 10,000 airplanes coming and going of which around 2700 are show planes. The control of the airport and airspace is quite impressive, and it's no shortage of entertainment and education to tune into LiveATC.net when the week gets underway.

One of many early starters for AirVenture is pilot Hermann Schiele. He departed Germany on June 6th in his Van's RV-8 heading west. With stops in Scotland, Iceland and Greenland, he then traveled across northern Canada to Alaska where he spent a few days, then down to the lower 48 beginning in the western US. Hermann may not realize that, besides having a fantastic adventure, he is emphasizing the freedom of flight we have in the United States that is unheard of in Europe. For example, he flew over LAX in the VFR corridor—something impossible back at his home. His American tour culminates at AirVenture, after which he will head back to Germany. Hermann is to be commended for such an undertaking. As he says, three and a half hours of flying over the North Atlantic in a single engine piston airplane is not for everyone, but with a lot of preparation the risk can be mitigated. For those interested, he has a travel log on the Van's Air Force website.





May Chapter Meeting

Randy Sweet's RV-12iS

What a great way to start the summer-Dave Stokes firing up the brand new grill! Bratwurst and hamburgers were excellent of course. Thanks again to Ted Lipinski for providing his hanger for the kickoff cookout and meeting. The speaker for the meeting that followed was chapter member Randy Sweet. He is enjoying the heck out of his recently completed Van's RV-12iS. His presentation encompassed the beginning of the workshop setup to logging many hours in the air. He recognized early in the project that building an airplane is dang near impossible by yourself-it really is a family affair. The highs that come with having success during construction can be followed by lows of equal magnitude. As the build progresses, you begin to understand the saying, "You aren't assembling an airplane, you are building it." But perseverance is fueled by knowing you will have an awesome brand new airplane in the end. Hard to put into words watching the video of Randy heading down the runway at Galt Airport on the maiden flight!



From an instruction manual to reality!



June Chapter Meeting

Presentation by UAS Design Team



James Tan has been a Chapter 790 member ever since aviation caught his attention during a Young Eagles flight several years ago. He hopes to begin flying lessons someday, but in the meantime he has undertaken the design and construction of an advanced UAS (Unmanned Aircraft System). James and his team have built a sophisticated autonomous aircraft capable of precise navigation and sensing for the identification and retrieval of multiple objects. To achieve success, the UAS must be able to capture waypoints in sequence on autopilot with plus or minus 30 ft. accuracy. This precision flying results in satisfying the mission requirements—retrieving a 10oz marshmallow bag, an 8oz water bottle, and a First Aid kit. Onboard is a high resolution camera for search as well as LIDAR (Light Detection and Ranging). The heart of the craft is a CubePilot Orange. This unit has triple IMUs (Inertial Measuring Units), dual barometers and two compasses. Not your backyard drone by any means!

What is a bit surprising is that James will be a freshman in college this fall and his team members are in high school. This makes what they have accomplished together all the more impressive.

Their hard work and skill has paid off. They were recently selected to compete in the 2023 UAS4STEM competition at AirVenture on July 24-26 near the southwest corner of Camp Scholler. The winning teams will be recognized prior to the night air show Wednesday.

Let's show our support for James and his team at Oshkosh!

August Chapter Event

Mark you calendar for August 19! The beautiful Curtiss Jenny built by a group at Poplar Grove will be at The Landings airport on August 19 for a chapter cookout. Matt will put out more details as the date approaches.



Chapter Meetings

Chapter 790 meetings are held the fourth Tuesday of every month. The meetings are generally held at the Lake in the Hills Airport Office lounge at 6:30 pm. From May until October, the meetings also consist of a cookout to enjoy the nice weather. Matt will keep everyone posted via email of exact times, location, guest speakers, etc.

Fly Out Scheduling

A great way to enjoy a Saturday morning and some camaraderie are the fly-out events. They are typically held the third Saturday of the month at 9am. If the weather isn't satisfactory, it will be rescheduled to the following Saturday. Paul Ranieri will keep everyone posted as to the destination and date via email. If you are interested in going and need a seat, you can respond to Paul's group email prior to the upcoming fly-out.



May 2023 Fly-Out to Peru, Illinois-Avenger Reunion and Salute to Veterans



Young Eagles

Beginning in May and running through October are the Young Eagle events. They are held the first Saturday of the month at either Schaumburg Airport or Lake in the Hills Airport. There is no better way for kids to get some flying experience. Before each event, chapter members will receive an email outlining the various volunteer opportunities. These consist of helping to register the kids and their parents, being on the ramp to park airplanes, and flying the kids of course!



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**When you've exhausted all possibilities, remember
this: you haven't.**

Thomas Edison

