



“Aviation Professionals Dedicated to Excellence in Flight Instruction”

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Summer 2019 Aviation Events

Now that summer 2019 is here the number of area aviation events continue to evolve. In the past two weeks alone the St. Louis Downtown Airport hosted events that included the Parks College Summer Academy that provided an excellent experience for youth interested in Aviation. On June 20th The Missouri Chapter of the Commemorative Air Force provided their historic B-25 on display for students who had a chance to experience a great warbird and historical aircraft.



Photo Courtesy The Aero Experience

“Zoom Into Summer” was another event on the Downtown Airport on June 29th. “Zoom Into Summer” was sponsored by the St. Louis Air and Space Museum. The event attracted a large crowd who had the opportunity to view aviation displays and learn about historical groups such as the Tuskegee Airmen and about career opportunities in Aviation.

A total of 81 Young Eagles had the opportunity to experience that for many was their first flight experience provided by EAA Chapter 64. The museum also experienced many visitors on that day who were not aware that it existed in this area. The St. Louis Air and Space Museum has many artifacts that relate to St. Louis Aviation. This event is one of many in the area that helps to promote aviation and bring friends together with a common interest.

St. Louis Science Center Aviation Day

Saturday July 20th is a day in the memory of many Americans. For those of us who are of the age that remember July 20th 1969, we clearly remember being glued to the TV set watching history being made. Those famous words “One Small Step for Man, One Giant Leap for Mankind” from Neil Armstrong forever changed the world.

On July 20th the St. Louis Science Center will commemorate the event. The GSLFIA will be there along with many other aviation and space organizations to help commemorate the day and help show our youth career opportunities in aviation.

Area STEM Programs For Aviation

Additional organizations throughout the area that support aviation training and education include the Wings of Hope Soar Into STEM and the St. Louis Science Center Youth Experiencing Science (YES) program.



Photo Courtesy The Aero Experience

These organizations are frequently needing help and support to bring aviation to youth groups. If you have time and want to help give back to a career path that you enjoy, there are several organizations who need your talent and skills. More details within this newsletter on page three.

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16105 Swingley Ridge Road #4488

Chesterfield, Missouri 63006-4488

FREE MONEY

Now that I have your attention, do I have a deal for you! An important issue for me at GSLFIA is to learn what the membership thinks and how we can be a better, more relevant group for our members and hope that GSLFIA is important enough to get you involved. So, may I ask you to answer a few questions and in return I'll pay your 2020 dues (which just happen to be \$20)?

1. Why are you a member of GSLFIA?
2. What programs would you like us to institute? Would you like to help?
3. Anything that we can do better/differently?

I know that I won't answer long surveys (hey, who has that kind of time today) so I kept this one short and to the point, but feel free to add anything that GSLFIA can do for you, how we can be an organization that you'd like to get involved with and anything else that you feel is important for the Board of Directors to know. Thank you in advance for your input and I really look forward to hearing from you!

Craig O'Mara

Secretary GSLFIA

craig.omara747@gmail.com

618-558-7211

Annual Membership Meeting

It's time again for the annual GSLFIA General Membership Meeting. It's important that we meet with you and have you help us determine what is important to you and what we can do to better serve you.

With the recent flooding we decided to postpone the meeting to a little later date this year. We have several members who are dealing with hangar flooding and aircraft water exposure. We are now planning to hold the annual membership meeting on September 28th at 10:00am. Location is currently pending. We will be combining this event with a guest speaker presentation that will feature a Designated Pilot Examiner. Format is focused on, "Ask a DPE" as a flight training discussion format for instructors and your students. Everyone welcome!!!!

“Mentoring Our Youth – Intro to Aviation Ed”

Summer flying is now! Despite the dynamic weather conditions, I flew. Desktop learning was done, thru articles in magazines: AOPA’s “Flight Training”, EAA’s “Sport Aviation”, FAA’s “Safety Briefing”, and webinars by FAA “Flight Safety” team’s website.

In May, I shared about the “Soar into STEM” program (SIS) at Wings of Hope (WOH) and the aviation-science-STEM extension of the YES (Youth Experiencing Science) program at the SLSC. Both programs engage local CFII’s and aviation professionals, using classroom materials, plus hands-on experiences. The SLSC program, complements their summer “Flight Academy” offering; the SIS program, provides extra aviation experiences at the WOH facility. Each program was offered on Saturdays during the school year and weekdays, Monday thru Friday during the Summer.



SIS thru WOH, provides a summer internship, for which 40% of the 20 initial students are involved. They’re focusing on different aviation activities at the WOH facility, plus finishing work on the aircraft destined for Paraguay (see photo). More details are on the WOH website (<https://WingsofHope.ngo>), under the “Soar into STEM” drop-down link.

Finally, mark your calendar for July 20th - the “Golden Anniversary” of Apollo 11, at the SLSC. It’ll celebrate this historic day in aeronautics-space exploration! GSLFIA will be 1 of 5 aviation teams, hosting displays & activities. The others are: Air & Space Museum, SWIC, WAI, and WOH.

“Mentoring Our Youth – Intro to Aviation Ed” Cont

The “Energy Stage” will include engineers & crew members from the Mercury, Gemini, & Apollo missions plus a lunar research expert and a “splashdown” challenge!

Summer is here – time to further engage aviation-education into the existing STEM curriculum of various school districts. For students, they are aviation’s future – encourage & mentor them. If you’re an EAA member, encourage them to participate in the “Young Eagles” program.

The GSLFIA invites your support to help educate future pilots & Flight Instructors of tomorrow. Contact a board member, if you’d like to help.

Jeff Rapp
Associate member of GSLFIA

**FAASTean Topic of the Month
“Stabilized Approach and Go Around”**

The FAA Safety Team FAASTeam is now sponsoring the Safety Topic of the Month. For the month of July it features **“Stabilized Approaches and Go ArounDs”**. The Safety Topics of the month are brought to you by the National FAA Safety Team through AFS 850. These are excellent references for instructors and a great teaching tool for your students. View the 17 minute video at;

<https://drive.google.com/file/d/1cxETeAx0T9gRF6B0mTxeyyq6nROARCDn/view>

GSLFIA Coming Seminars for 2019

July 11th - **Airline Transition Seminar** -Trans States and Go Jet Airlines Seminar 5:00pm at the TSA Training Center at 11495 Navaid Road Bridgeton Missouri.

August 17th **Loss of Control** - St. Louis Downtown Airport Firehouse Classroom 9:00 – 11:00am

September 28th – **Ask a DPE** and GSLFIA Annual Membership Meeting planned for 10:00am. Location is currently pending. Watch for updates in SPANS and GSLFIA news media.

The (Im) Possible Turn

There has been quite a bit of (re)emphasis lately on what to do when your engine fails right after takeoff. In the old days, the obvious answer was “always land straight ahead” - with maybe small heading changes to avoid obstacles in your path. But that didn’t address situations, such as: your altitude, the surface below you, obstacles in front of you, the performance of your airplane, etc. so how about if we talk about this to give you something to think about when teaching this to your students?

Whaaat??? - You don’t teach this to your students! Well, I guess that you wouldn’t be COMPLETELY wrong. I haven’t found any requirement to teach this in any of the ACS’s that I’ve looked through, but, you’ll be happy to know that the FAA does feel that it’s important enough for us CFI’s to discuss that they made it part of the latest Advisory Circular that governs the development of FIRC’s - AC 61-83J. So it has to be covered in the FIRC. So, how about if we give this “maneuver” more study ourselves so that we can get our students proficient in how to handle the situation. I believe that we should determine the best way to perform this for each airplane in which we teach.

The most important thing that I want to know is how much altitude I need before I’d consider turning back to the airport. So some parameters to consider might be:

- How will I teach my student to perform this maneuver (I usually fly over a railroad track in our practice area to simulate a runway, slow to liftoff speed then climb at V_y until some starting altitude, slowly bring the throttle to idle, count 3 seconds (startle factor), then change heading until I’m right back over the runway (takes more than 180 degrees of turn) and note the altitude loss?
- What bank angle do I use (45 degrees is the bank angle that produces the minimum altitude loss for a 180 degree turn in a sailplane or an airplane).

The (Im) Possible Turn (Continued)

- What speed do I pitch down for; Best Glide speed or Minimum Sink Speed? - How many of us even know what that speed is for our airplane? It’s not in airplane POH/AFM’s but it is in all Glider manuals
- Do I pull the prop control to “High Pitch - Low RPM” to reduce drag and increase the glide ratio when performing the maneuver?
- Will I add flaps to lower my stall speed for the turn?
- Will I encourage the student to add an increment of altitude to the measured altitude loss to account for “pilot technique”?
- There are other factors to consider for different wind conditions, temperatures, weights, obstacles, parallel runways, etc.

Once I’ve done this a number of times and found an average altitude loss, I advocate to my student to add the aforementioned altitude factor and that becomes at least a base line “Turn Around” altitude. Hopefully, this gives you and your student something else to consider for each takeoff instead of the old admonition of “always land straight ahead”. I know that you’ve all been teaching for a lot of years of hours and might have a better way to perform and teach this critical maneuver. So may I ask you to try this and see what you think and then let me know so that I can improve my engine failure on takeoff procedures and keep myself and my students as safe as I possibly can?

I’ll put whatever techniques that you all have in the next newsletter so that we can all learn from each other’s experience! Thank you for your consideration.

Craig O’Mara
Secretary
craig.omara747@gmail.com
618-558-7211



GSLBAA 7th Annual Aviation Trivia Night



August 10, 2019
CBC High School



1850 La Salle Drive (North Outer 40 Drive between Mason & I-270)

Thank you to Dassault & Gulfstream for sponsoring
Champagne & Hors d'oeuvres starting at 6:00pm!

\$200/table of 8
\$25/individual
Includes Beer, Soft
Drinks & Sandwiches



Doors Open:
6:00pm
Questions start:
7:00pm

Centerpiece Contest – Prizes for 1st, 2nd & 3rd place

Proceeds Benefit:



- **Silent Auction**
- **Raffle**
- **Door Prizes**
- **Mulligans - \$1/each**
- **50/50**

Contact Mike Timmerman at michaelrtimmerman@gmail.com or 314-616-0270

GSLFIA News – July 2019 Issue - 1904

GSLFIA News – July 2019 – Issue 1904 At our GSLFIA Board meetings we're always trying to find way to add value to your membership in St. Louis' only organization specifically for the CFI. I'm not really sure why we didn't come up with this before now, but we're going to begin a column designed to advertise employment opportunities for our members and at the same time provide quality employees for St. Louis area Flight Schools and FBO's. We're in the process of contacting all of those aviation businesses (and hope to add more as we learn of their requirements) to see what their needs are and will publish those needs with every newsletter. The following information opportunities and are the latest and most accurate that were available at the time this newsletter was published and are presented in no particular order. May I please ask you for feedback to see how this is working for you?

Ideal Aviation CPS
3130 Vector Drive
Cahokia, Illinois 62206
Bill Macon, Owner
618-215-2282
Currently hiring CFI's
Jim.moseley@idealfbo.com
E-mail or Call Jim Moseley for Details

St. Louis Flight Training CPS
4020 Green Mount Crossing Drive #114
Shiloh, Illinois 62269
Ken Kopp, Owner
618-670-5782 Kwkopp762@gmail.com
Currently hiring Part Time CFI's
Contact Ken Kopp

Shafer Flying Service 3K6
2070 Triad Road
St. Jacob, Illinois
Ed Shafer, Owner/Chief Flight Instructor
618-644-5411 hyflyer33@hotmail.com

Argo
2331 East Calumet Street ENL
Centralia, Illinois 62801
Abu Abulfathi
618-533-1643 Abu@flyairgo.com
Hiring CFI's Contact Abu for details.

Elite Aviation SUS
18600 Edison Avenue
Chesterfield, Missouri 63005
John Tipton, Chief Instructor
636-778-4400 john_t@elitexsus.com
Hiring a Full time CFI/CFII. Contact John Tipton

Sparta Aero Services SAR
1800 North Market St.
Sparta, Illinois 62286
Scott Marquardt, Chief CFI and Apt Mgr.
618-443-5321 Spartaaero@gmail.com
Hiring 1 CFI, Call Scott. Lots of Flying, Flexible

Southern Illinois University - Carbondale MDH
Department of Aviation Management and Flight
College of Applied Sciences and Arts
Transportation Education Center
TEC286Q - Mail Code 6817
Southern Illinois University Carbondale
545 North Airport Road
Murphysboro, Illinois 62966
Ken Bro or Jeff Hayes, Chief Flight Instructors.
Currently hiring CFI's, Check CFI and Assistant
Chief Instructor. Please contact Ken Bro.

Gateway Flight Training 1HO
3127 Creve Coeur Airport Road
Maryland Heights, Missouri 63146
Brian Borton, Operations Manager
314-780-7899
brian@gatewayflight.com
Looking for 2 CFI's CFIIME, ATP a plus.
Best CFI pay in the area, contact Brian Borton

St. Charles Flying Service SET
6016 Portage Road
Portage Des Sioux, Missouri 63373
Mark Couillard, Chief Flight Instructor
markc3sq@msn.com
636-946-6066
Contact Mark for Details

Meisinger Aviation SUS
David Pressy Chief Pilot / Captain
dave.pressy@mallcstl.com
314-566-3118 Contact Dave Pressy

AirVenture 2019

The Experimental Aircraft Association's (EAA) AirVenture for 2019 is almost here with many from our own GSLFIA and the St Louis area flying or driving north to Oshkosh, Wisconsin to enjoy this year's airshow. The EAA sponsors the airshow or "fly-in" each year. This year the airshow is 22 - 28 July with many arriving early and staying later to experience Oshkosh as long as they can. Last year, it was estimated that over 600,000 people attended AirVenture with over 2,700 visitors registered from 87 nations. There were about 10,000 aircraft and close to 1,000 media personnel from the US and all over the world representing six (6) continents. Also attending were 868 commercial exhibitors.

As a little history, the EAA was founded in Hales Corners, Wisconsin in 1953 by Paul Poberezny, who started the organization in the basement of his house for builders and restorers of recreational aircraft. Homebuilding is still a large part of EAA's activities; it has grown to include almost every aspect of recreational aviation.

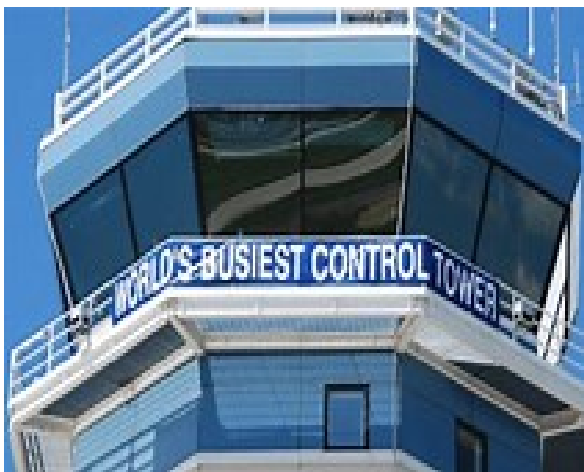


Photo Courtesy Whitmann Airport

The first EAA "fly-in" was held in September 1953, at Timmerman Field with fewer than 150 people attending and only a handful of aircraft at the event. In 1959, the "fly-in" moved to Rockford, Illinois and in 1970 it moved to its current location at Oshkosh. For many years the official name of the event was "The EAA Annual Convention and Fly-In" and in 1998 the name was changed to "AirVenture Oshkosh."

AirVenture 2019 (Continued)

Over 1,000 forums, workshops, seminars (many with a hands-on experience) are available while at Oshkosh – from riveting, welding, flight simulators and hundreds of others !!! many aircraft have made their global entrance at Oshkosh; for example Richard VanGrunsven introduced his Van's RV-3 at the 1972 event. In 1975 Burt Rutan introduced his VariEze "canard" aircraft at Oshkosh, and at AirVenture 1987 the Klapmeier brothers (founders of Cirrus Aircraft) unveiled the Cirrus VK-30 kit, which then developed and created the SR-20 and SR-22.



The incredibly large number of aircraft arrivals and departures during the week of Oshkosh makes the Wittman Field FAA control tower the busiest in the world. A special NOTAM is published each year to carefully describe the normal (and emergency) departure and arrival procedures. I haven't made it to Oshkosh yet but it is on my bucket list – maybe in 2020.

One final note about Oshkosh – it takes more than 4,000 volunteers who contribute over 250,000 hours before, during and after the event to make it a fun a safe annual fly-in. If you are attending (or attended) this year – have an awesome experience !!!

Jim Stamm GSLFIA
Member Board of Directors