



NEWSLETTER

AUGUST 2023

UPCOMING EVENTS

MONTHLY MEETING SEPTEMBER 16, 2023 BROOKHAVEN AIRPORT

PRESIDENTS MESSAGE - Andrew Apicos

Dear Members,

Although we have been grounded for the past month while we await installation of a 'new' slightly used engine in our Pawnee, things have been happening to further strengthen our club's future. The Super Cub engine is also back and will be installed in the next few weeks. Upon his return from Oshkosh, Mike Hanson suggested that we submit an application to SSA for a matching grant for a new flight simulator. With board approval, I submitted the application and received news that we secured a grant of up to \$2500 toward the purchase of a flight simulator. Soon we will be able to add simulated flights to our training program. Jim Werner has been busy repairing damage to clubhouse walls, which as it turns out, is great timing since the location of the partition wall to the kitchen can be modified to fit the new simulator.

Thanks to members who purchased or committed to **\$54,000** in bonds to help secure LISA's future. The enrollment period ends **September 30, 2023** so there is still time to purchase a bond. Please send separately, or bring a check in any \$500 increment to our next monthly meeting.

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CLUB OFFICERS

<i>President</i>	<i>Andrew Apicos</i>
<i>Vice President</i>	<i>John Hoge</i>
<i>Chief Pilot</i>	<i>Brian Robey</i>
<i>Operations</i>	<i>Stephen Cluff</i>
<i>Maintenance</i>	<i>Ryan Jacobellis</i>
<i>Secretary</i>	<i>Joe Grossman</i>
<i>Treasurer</i>	<i>Mike Rudolph</i>
<i>Director at Large</i>	<i>Gerry Issacson</i>
<i>Newsletter/Editor</i>	<i>Stephen Cluff</i>

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OPERATIONS - Stephen Cluff

Due to the Pawnee engine replacement, we only had **2** glider flights in August as detailed below in **Table 1**. With very little competition, Brez has the distinction of completing the longest glider flight last month - a whopping 32 minutes.

TABLE 1 - GLIDER OPERATIONS

Date	Total	Instruction	Student Solo	Intro Flights	Other	Notes
8/2/23	2	1	0	1	0	Tow Pilots: Don Instructor: Andrew Field Manager: Mike H

The Club 172 (N5361K) flew **11.8** hours and the Pawnee tow plane (N7372Z) accumulated **0.5** hours in August.

Operation Notes:

- Runway 6-24 is temporarily closed until **November 15, 2023**.
- Glider operations are currently suspended due to the Pawnee engine replacement.
- We will be assembling N17956B immediately after the September monthly meeting.

MAINTENANCE - Ryan Jacobellis

TABLE 2 - AIRCRAFT STATUS

Aircraft	Status	Notes	Annual Due
N2055T (SGS 2-33A)	Grounded	Glider repairs in progress	New Annual Pending Repair
N17956 (SGS 2-33B)	Active	Work completed, glider at KHWV	August 2024
N65918 (SGS 2-33A)	Active	No significant Issues	May 2024
N17917 (SGS 1-26E)	Active	No significant Issues	May 2024
N7365 (SGS 1-34)	Active	No significant issues	June 2024
N7372Z (PA-25-235)	Grounded	Engine re-installation in progress	May 2024
N4016Z (PA-18-150)	Grounded	Engine re-installation in progress	New Annual Pending Repair
N5361K (Cessna 172)	Active	No significant Issues	September 2024

SAFETY AND EDUCATION

Glider Simulator - Andrew Apicos

Upon receiving the grant for our flight simulator, I spent several hours researching studies that were conducted comparing student cohorts that used a flight simulator and those that didn't. Interestingly, the research shows that a basic flight simulator (desktop computer, joystick and pedals) properly configured and used appropriately will yield dividends to the student pilot in several key areas. Consistency is one the more important factors that leads to sustaining student growth and learning. Therefore, inclement weather or winds out of limits will no longer be a factor that will determine whether or not a student is able to engage in a flight lesson with an instructor during a planned operation. The flight simulator also allows instructors to program wind speed and direction thus enabling students to practice with moderate crosswinds or slightly turbulent conditions.

Flight training is not inexpensive; however, research shows that use of a flight simulator will reduce the overall time spent earning a pilot certificate. The flight simulator is a very cost effective way for a student, or rated pilot, to work on and fine tune their skills for any part of the flight and repeat any segment they are having trouble mastering. If for example a student needs work tightening up landing pattern skills, that student can, with the instructor's assistance, pause and repeat a portion of the flight over and over again until the knowledge and muscle memory needed to master a particular maneuver is accomplished.

A flight simulator will additionally allow students and rated pilots to practice emergency procedures such as rope breaks many times before executing the actual maneuver. Practicing in a safe environment can help reduce fear and apprehension when learning new maneuvers. Aside from introducing basic maneuvers such as rope breaks, spins and stalls, pilots will be able to simulate rare emergencies such as a tow plane engine failure, early release, or conflicting aircraft. Research has shown that introducing unpredictable and variable scenarios significantly helps in preparing pilots for unexpected situations. Finally, pilots will also be able to learn and practice cross country flight navigation, ridge soaring, and landing out in a remote field using the simulator.

FAMOUS GLIDER PILOTS

Franklin "Story" Musgrave (born August 19, 1935) is a retired astronaut, physician, and glider instructor/power pilot with over 18,000 hours in 160 different aircraft, as well as an accomplished parachutist with over 800 jumps. Story Musgrave is the only astronaut to fly all five space shuttles during his service with NASA. Earning his high school GED while serving in the Marine Corps as an aviation electrician/instrument crew chief, Musgrave continued his formal education and eventually earned six college degrees in mathematics, operations analysis, chemistry, physiology, medicine and literature. Story Musgrave was inducted into the National Aviation Hall of Fame in 2022.



Photo Courtesy of NASA

Glider Exam Questions

1. Which training time must be certified by the instructor from whom it was received?
 - a. Flight training.
 - b. Flight training and training in a flight training device.
 - c. All flight training, flight simulator training and ground training.

2. A flight review for a glider pilot must consist of at least 1 hour of ground instruction and:
 - a. Three takeoffs and landings.
 - b. 1 hour of flight training to include three 360 degree turns.
 - c. 1 hour of flight training or three instructional flights, each of which includes a flight to traffic pattern altitude.

3. When a permanent change of address occurs, pilot or instructional privileges may not be exercised unless the FAA Airmen Certification Branch is notified, in writing, within:
 - a. 30 days.
 - b. 60 days.
 - c. 90 days.

4. A person seeking a private pilot glider rating is exempt from taking the knowledge test if that person:
 - a. Holds a rating for powered aircraft.
 - b. Holds a pilot certificate for any category.
 - c. Has taken a knowledge test for any powered rating within the preceding 24 months.

Answers: (1). c (2). c (3). a (4). a

MEMBERSHIP

Andrew Newitt and James Baseler attended their second meeting, completed three flights and were voted in as members **August 15, 2023**.

GOOD AND WELFARE

Big thanks to members Craig Rhein and Mike Hanson for driving up to K&L and towing N17956 back to the club this week. While we had to wait patiently for nearly 2 years for the work to be completed, the glider looks beautiful and we look forward to flying it soon.

We are currently reviewing the purchase of a *Just Soaring Glider Sim Pro Flight Simulator*, similar to the picture - minus the computer, screens and beautiful wood floors. The frame is constructed of 80/20 T-slot aluminum, making it quite sturdy. The frame has a realistic flap lever with 6 positions, a spoiler/air brake lever with spring resistance, landing gear lever and tow release knob. For more information, please visit the Wings and Wheels website@<https://wingsandwheels.com/just-soaring-glider-sim-pro-flight-simulator.html>



Club History

August 1983 Newsletter - 40 years ago

Accomplishments

GINO DINUCCI achieved his "C" badge last August.

On Wednesday, August 24th, INTA BUMBURS achieved her "B" badge.

KAREN GREER had a very productive month. She passed her written in early August then passed her flight on Thursday, August 25th.

On Sunday, September 11th, KAREN SUDWISCHER completed the third leg of her "silver C" badge by accomplishing a 42 mile cross country.

August 1973 Newsletter - 50 years ago

LISA Hangar Bond Drive

Members are being requested to support our Hangar project by pledging whatever they can at this time. Please make these pledges to Jim Kade, preferably by mail at the LISA address. The money pledged will be asked for at the end of Sept. '73. Your support will mean we can have a hangar all to ourselves to protect our equipment during the winter and provide a protected area for the maintenance work.