

The Lippisch Letter



April 2013

NTSB Adopts Five New Safety Alerts for GA Community

March 13, 2013 - The National Transportation Safety Board voted unanimously Tuesday to adopt five new safety alerts aimed at reducing the number of GA accidents, which have been on a decade-long plateau. Safety alerts, or brief information sheets pinpointing safety issues and practical remedies to address them, would focus on the main accident causes determined by the NTSB's investigative data, which are:

- Reduced-visual-reference accidents, including controlled flight into terrain and uncontrolled descent to the ground due to spatial disorientation
- Aerodynamic stalls at low altitude in daylight visual weather conditions
- Pilot inattention to indications of mechanical problems

- Risk management for aviation maintenance technicians
 - Risk management for pilots
- Chairman Deborah Hersman said that over the past decade, "the GA accident rate has plateaued, with repeated crashes and needless loss of life. Today we meet to discuss what we, the NTSB, can do to bring the accident rate down."

It was stressed that the new alerts are neither a package of safety recommendations nor regulatory changes/rulemaking. Rather, they're a new technique to try to get the word on safety directly to GA pilots and mechanics and provide them with information to incorporate into their flight preparations so they might be more able to hand crisis situations should they arise.

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Upcoming Events:

- Board Meeting – 4/22 - 7:00 PM (Conference Call)
- Spring Social – 04/25 6:00 PM (Ox Yoke Inn)
- Young Eagles – 5/18 9:00 – Noon (Marion Airport)
- Board Meeting – 5/23 6:00 PM (TBD)
- May Meeting – 05/23 7:30 PM (TBD)

Chapter Needs (What you can do to help!)

By Denny Hodge

A strong and vibrant chapter depends on the participation of its members. Chapter 33 is no different. We have a variety of jobs that need to be filled. No training is necessary and most of the positions require a minimum of time and/or effort.

If you have an interest in any of these positions, contact any board member. Their contact information is listed later in this document.

Open Positions

Chapter Historian	Newsletter
Technology Committee	Membership
Program Committee	Education Committee
Young Eagles Ground Crew	Young Eagles Pilot
Nominations Committee	Social Committee
KidVenture Committee	Welcome Committee
Flying Activities Committee	Safety Committee

Your Chapter Needs You!

We are looking for a few good members to step into leadership positions on the board of directors for 2014 and 2015. If you would be interested in serving on the board, contact any board member.

EAA Air Academy Among MSN's 10 Summer Camps Worth the Money

EAA National Office

March 14, 2013 - EAA's Air Academy summer camp programs have been recognized by MSN Money as one of 10 nationwide summer camps that are "worth the money," the website announced this week. Camps were chosen for not only keeping young people busy during the summer, but giving them a chance to develop passions and expand their horizons.

Since 1984, the Air Academy's week-long series of camps have been designed to immerse young people ages 12-18 in the world of aviation.

Campers are engaged through a variety of hands-on activities while staying at the EAA Air Academy Lodge in Oshkosh. Experienced aviation instructors help them delve into flight through studies, hands-on demonstrations, flight simulation, and other exciting activities.

"Kids will explore aviation through technical and learning classrooms, as well as hands-on experiences that give them life skills," said Bob Campbell, EAA director of museum and museum education. "The camps are a week of nonstop excitement where fun and discovery combine for an experience that young people can find nowhere else."

Twelve- to 13-year-olds are introduced to flight in the EAA Young Eagles Camp through small group activities taught by expert

camp counselors. The EAA Basic Air Academy takes things to the next level, incorporating more hands-on projects and demonstrations for kids ages 14-15.

Introductory recreation flight experiences highlight the action-packed EAA Advanced Air Academy camp for 16- to 18-year-olds and gives students full access to EAA AirVenture Oshkosh action throughout the week. Sessions for 2013 are currently full; any additional applicants will be added to a waiting list and notified on a first-come, first-served basis if a spot opens.

A new camp added this summer is the EAA Advanced Air Academy/SportAir, for kids ages 16-19. This camp places a strong emphasis on aircraft construction, primarily composite and fabric techniques.

Air Academy enrollment is available on a first come, first served basis and positions fill up quickly. Limited openings are still available in the following 2013 summer programs:

EAA Young Eagles Camp

- Session 1: June 16-20, 2013 (\$725)
- Session 2: June 22-26, 2013 (\$725)

EAA Basic Air Academy

- Session 1: June 28-July 3, 2013 (\$966)
- Session 2: July 8-13, 2013 (\$966)
- Session 3: July 15-20, 2013 (\$966)

EAA Advanced Air Academy

(Sessions Full: Applicants will be added to a waiting)

- Session 1: July 23-31, 2013 (\$1,210)
- Session 2: Aug. 2-10, 2013 (\$1,210)

Advanced Air Academy/Sport Air

- Session 1: Aug.12-18, 2013 (\$1,080)



All program costs include instruction, materials, meals, and lodging at the EAA Air Academy Lodge. Interested youth can also apply for scholarships to help fund this exciting learning experience.

For more information and to apply for a 2013 Air Academy camp program, visit the EAA Air Academy website.

Please Support our Fine Sponsors!



eMail: Info@IowaFlightTraining.com
phone: 319-373-3971

Upcoming Meetings

April 25th – 6:30 – Spring Social and Awards Banquet – Ox Yoke Inn, Main Amana

It's time to get together for our annual Spring Awards Social, and we'll be enjoying a great meal at the Ox Yoke Inn.

Ox Yoke Inn (in the village)
4420 220th Trail
Amana, IA 52203
Thursday, April 25, 2013
Arrive 6:00 pm (cash bar)
Dinner seating 6:30 pm

Here's a peek at the menu:

Entrée choices – fried chicken, smoked pork chop, and whitefish
Dessert choices – cherry pie, chocolate cream pie

Adults \$25
Children (5-10 yrs) \$15
Children (4 and under) FREE

RSVPs needed by Mon Apr 22 (noon) to Denny Hodge at N288RV@gmail.com

Please join us as we kick off a new flying season and honor all those who made 2012 a success.

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For Sale!

RV-6 Project/Parts and a variety of Tools – Mike Horn – Center Point - 319-521-1320

F-86 Clean-Up . . . Volunteers Needed!

Minnetta Gardinier

At a recent Iowa City Airport Commission meeting, a question arose about how we might try to find a way to clean/spiff up our F-86 Sabre Jet static display that is at the Iowa City Municipal Airport. It no longer looks as nice as the picture at right, which was taken nearly 7 years ago.

In googling the F-86 Sabre Jet, I discovered a web site that catalogues the remaining ones, and it appears our aircraft was donated Jan 1963. So this year is its 50th Anniversary at the airport!

I talked to Mike Tharp about contacting the University of Iowa

Air Force ROTC to see if they might consider a clean up operation on the aircraft for a community project. Then I also got to thinking about EAA Chapter 33 and perhaps some of the technical expertise that some of its members might lend to such a project.

I'm pretty sure that the Airport/City would cover the cost of supplies for the job. Of course, it would also require some folks to look it over and pull together a list of needs and plans for such a project. I've also learned that the canopy

windshield may be cracked and need attention.



What do you think?

Anyone that is interested in participating in this restoration project may contact Minnetta directly.

This Month in Aviation

100 Years ago in History

16 April – The inaugural 1913 Schneider Trophy race is won by Maurice Prévost in a Deperdussin monoplane, who completes 28 circuits of the 10 km (6.2 mi) course with an average speed of 73.63 km/h (45.75 mph)

75 Years Ago in History

April 20 – British Air Commodore Arthur Travers Harris makes a purchasing trip to the United States to select aircraft to expand the Royal Air Force. The Lockheed Hudson and North American Harvard are chosen.

50 Years Ago in History

April 27 - The U.S. Marine Corps loses its first aircraft to enemy action in Vietnam, a UH-34D transport helicopter shot down by Viet Cong ground fire near Do Xa, South Vietnam.

25 Years Ago in History

April 28 - Aloha Airlines Flight 243 suffers an explosive decompression in flight over the Hawaiian Islands, with the roof blowing off the Boeing 737-200 from the cockpit to just in front of the wings. All 90 passengers and four of the five crew survive.

Don't be a Spectator
Your participation is essential to
the survival of our chapter!

NTSB Adopts Five New Safety Alerts for GA Community

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The NTSB is also creating five short (three- to five-minute) videos - one for each alert - it plans to roll out in the spring. They'll feature regional air safety investigators sharing their experiences and observations of the many accident investigations they've conducted, as well as

advice on how pilots and mechanics can avoid mistakes that can result in tragic consequences.

"GA is essentially an airline or maintenance operation of one, which puts the responsibility for sound decision making on one person's shoulders," Hersman said. "We are promoting and

distributing the alerts to reach pilots and mechanics who can benefit from these lifesaving messages."

Outreach efforts will include type clubs, GA organizations, major events like AirVenture and Sun 'n Fun, and other methods.

"Leapling" Twins Get their Licenses

EAA National

March 14, 2013 - The fact that Dan Fredrickson, EAA 1029515, and his twin brother Josh, EAA 1029516, passed their checkrides when they turned 17 years old is not all that unusual; aspiring young aviators frequently aim for that first eligible date when training to become a pilot.

What makes Dan and Josh's situation unique is that they are "leaplings" - born on February 29, 1996 - which means they have only celebrated four actual birthdays in their 17 years. And since their legal birthdate did not occur this year, the Fredrickson twins from Pella, Iowa, did their checkrides on the first eligible date, which was March 1.

The brothers also soloed on March 1 last year - the first date they were eligible to do so - and they're both EAA Young Eagles. Dan and Josh completed all their training at Classic Aviation Inc., Pella Municipal Airport's FBO, with primary instructor Larry

Vande Voort, EAA 473186. They've been in flight training since they were 13 years old.

Vande Voort worked with the boys this summer to complete their tailwheel endorsement in Classic Aviation's Citabria. Dan and Josh have received instruction in several other airplanes, including complex and high-performance aircraft. The Pella Christian High School juniors have worked part time at Classic Aviation for the past two years and both indicate a desire to pursue aviation careers.

They've been asked a number of times who took his checkride first, and the answer is simple: Josh, because Dan had flown first during the last lesson before the checkride, and they take turns.

Would they recommend flight training to other high school students?

"I would tell them to go for it," said Dan, whose aviation hero is

Bob Hoover. "Hard work pays off and in the end it's very satisfying."

Josh added, "Flying is just about the best thing that has happened to me, so I would recommend it to other students." Josh's hero in flight is Chuck Yeager.

They are the sons of David and Lori Fredrickson, EAA 1029512, and grandsons to Jim and Ann Fredrickson and Bill and Ann Burns. [Classic Aviation Inc.](#) is owned and operated by Shane Vande Voort, EAA 549889.



Important Links

EAA National

<http://eaa.org/>

EAA Chapter 33

<http://eaa33.org/>

Current copy of the Experimenter (Online)

<http://experimenter.epubxp.com/i/113663>

Have a favorite link, or app to share. Send it to me and I'll add it to our list.

The Davinci Machines Exhibit – St. Louis, MO

Chad Wilhelm

After working on fiberglassing the wings of the Cozy for most of the winter, it was time to replenish the supply of epoxy for the next chapters. Since epoxy is considered a hazardous material to ship, we decided it might be time for a weekend getaway to St. Louis, which isn't far from Wicks Aircraft Supply. After picking up another 5 gal and some other supplies, we headed to the DaVinci Machines Exhibit, in downtown St. Louis.



I knew that DaVinci was a pioneer in the field of aviation, but one doesn't actually realize just how much until after visiting a display like this. DaVinci's study of flight starts with his study of bats, which you can see in many of his wing designs. While many of his designs were gliders (like the one you put on by sticking your head through a wooden ring, affectionately known as "The Decapitator"), Leonardo was very much so intrigued by the thought of human powered flight, and developed many intricate designs to perform the motions necessary for flying. DaVinci also created a design called the Air Screw, which many give credit to being the ancestor to the modern helicopter.



Being a man of forethought, DaVinci knew that there were some necessary details to consider before man could even attempt flight. He knew that wind speed played a role in flight, and created a device called an Annemometer for measuring wind speed. He also developed a device called an inclinometer, which consisted of a pendulum inside a glass bell (to protect it from air currents), which would sway in flight and tell the pilot the orientation of the craft so he or she could steady it. Then there was the invention of the parachute, which is considered an ingenious design for the day. While most of Leonardo's inventions were never tested, the parachute has been. In 2008 a Swiss parachutist made a successful jump from two thousand feet using a parachute built to DaVinci's specifications, exclaiming that it was "a perfect jump" though rather tricky to steer!



While Leonardo Davinci had also been accredited with many other inspiring designs, such as the first tank, the first life preserver, and ball bearings, none of these ever seemed to carry the passion like those that were inspired by the fantasy of flight.

Spring Webinars – all FREE!

EAA Webinars (Supported by Aircraft Spruce & Specialty Co.)

Date	Time	Title	Presenter(s)
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4/17/13	7 p.m. CDT	How Your Next Medical Might be a Whole Lot Easier	Dr. Greg Pinnell
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Dr. Greg Pinnell of the EAA Aeromedical Advisory Council describes "CACI," a program recently unveiled by the FAA that represents a big milestone in special issuance reform. The program reduces headaches with many common special issuances and will get you back in the air much more quickly.

4/24/13	7 p.m. CDT	All About the Sonerai: An Affordable Homebuilt Aircraft	Fred Keip
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Fred Keip, Sonerai owner/builder/pilot, retired editor of the Sonerai Newsletter, and member of the EAA Homebuilt Aircraft Council, discusses the complete line of Sonerai airplanes: VW-powered sport airplanes designed by Homebuilders Hall of Fame member John Monnett, the father of the Sonex line of airplanes.

5/01/13	8 p.m. CDT	AOG (Aircraft on Ground): When Your Airplane Breaks Away From Home FAA AMT & Wings Credit	Mike Busch
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Maintenance expert Mike Busch discusses how to deal with every aircraft owner's worst nightmare: a mechanical breakdown away from home base.

5/08/13	7 p.m. CDT	Homebuilt Airworthiness Inspections	Joe Gauthier
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Joe Gauthier, FAA Designated Airworthiness Representative (DAR) and member of the EAA Homebuilt Aircraft Council discusses preparations to ensure a smooth FAA inspection leading to the issuance of an experimental amateur-built airworthiness certificate. Joe presents a detailed checklist approach to ensure your fully prepared for the final FAA inspection.

5/22/13	7 p.m. CDT	Rotax 912 Fuels and Carburetion	Dean Vogel
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Dean Vogel from Lockwood Aviation discusses fuels and carburetion to help owners and mechanics care for their Rotax 912 engines. The carburetors require careful attention, and are key to smooth engine operation and longevity. Lockwood Aviation is a leader in maintenance and repair of Rotax engines.

5/29/13	7 p.m. CDT	Demystifying Weight and Balance	Fred Keip
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Fred Keip, Sonerai builder, Technical Counselor, and Homebuilt Aircraft Council member, discusses the three easy steps of correctly performing the weight and balance calculations needed to certify your homebuilt aircraft project.

6/05/13	8 p.m. CDT	Help! My Engine is Making Metal! FAA AMT & Wings Credit	Mike Busch
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At a routine oil change, your mechanic discovers metal in your engine's oil filter. Now what? Maintenance expert Mike Busch has dealt with such scenarios hundreds of times, and offers a detailed roadmap.

EAA offers a regular series of webinars to its members. These live multimedia presentations are informative and interactive, allowing the presenter to use slides and audio, while audience members can ask questions, chat, or be polled for their opinion.

Registration is required, and space is limited. Click the title of any of the presentations to register.

Some EAA Webinars qualify for credit in the FAA's WINGS or AMT awards program. See the FAA Safety site for details and to register.

Register at <http://www.eaa.org/webinars/>

Calendar

- 04/13/2013 – AeroElectric seminar put on by Mr. Bob Nuckolls on April 13-14 (See attached flyer)
- 04/25/2013 – Spring Social & Awards Banquet
6:30 PM - Ox Yoke Inn, Main Amana
- 05/18/2013 – Young Eagles Rally – 9:00 AM –
Marion Airport
- 05/30/2013 – 2013 National Bi-Plane Fl-in.
Freeman Field, Junction City, KS
(See attached flyer)
- 06/14/2013 – Taylorcraft Fly-In – June 14 – 16.
More details to follow

Welcome to Chapter 33, a local chapter of the Experimental Aircraft Association (EAA) located in East Central Iowa. We are a group of around 115 sport aviation enthusiasts who get together to share our love of flying and airplanes.

Guests are always welcome at our monthly meetings. Check the Calendar on this page for the date and time of the next meeting.

If you have pictures, stories, stuff for sale, or whatever, that you would like to submit for our monthly newsletter, email it to Denny Hodge any time and he'll squeeze it into the next available issue. You'll find his email address on page 6.