



Happy couple! At our Sept. Breakfast

President's message

October 2016 Submittal (Completed on 9-28-16)

Greetings Members and Friends of EAA Chapter 866,

I like quotations. Very often, they pass along some pithy nugget of truth or wisdom, while sometimes being humorous at the same time. Several of our chapter members are making great progress on building their air machines, and a few of them are getting ever closer to that First Flight in their homebuilt airplane. So, I thought it might be interesting to dig up some old saws and aviation quotes related to flying just for fun. So this month, I did a little research and found several quotations from some famous and some not-so-famous test pilots, aviators, mechanics, and authors. I hope you enjoy them.

- ***"The Laws of Aerodynamics are unforgiving and the ground is hard."* Michael Collins, Apollo 11 Command Module Pilot**

- *"If the pilot is unairworthy, so is the airplane."* Bill Chana, Aeronautical Engineer
- *"Always go with the best fix not the cheapest fix."* Bill Deeth, Master Aviation Mechanic
- *"A tough decision is what a person makes when they cannot form a committee to share the blame."* George Lutz, Col. USAF Retired
- *"Yelling 'Clear the Prop' right before you start an aircraft is the first of a series of well planned, choreographed steps to make you a professional."* Jack Crawford, Pilot, Mechanic, Aircraft Operator
- *"Always leave yourself a way out."* Chuck Yeager, USAF Retired
- *"In my opinion, about 90 percent of your risk in a total program comes with a first flight. There is no nice in-between milestone. You have to bite it off in one chunk."* Deke Slayton, Test Pilot and Apollo Astronaut
- *"One can get a proper insight into the practice of flying only by actual flying experiments."* Otto Lilienthal, Early Aviation pioneer (1896)
- *"Plan the flight, fly the plan."* Sign on the wall at the Naval Test Pilot School, Patuxent River, MD
- *"Keep your brain a couple steps ahead of the airplane."* Neil Armstrong, Apollo 11 Commander
- *"Checklist! Checklist!! Checklist!!!"* Jim Byers, Flight Instructor/Examiner
- *"A superior pilot uses his superior judgement to avoid those situations which require the use of superior skill."* Old Aviation Proverb
- *"Stay up on the edge of your seat."* Scott Crossfield, X-15 Test Pilot
- *"If you're faced with a forced landing, fly the thing as far into the crash as possible."* Bob Hoover, Test Pilot
- *"Go from the known to the unknown –slowly!"* Chris Wheal, British Royal Navy Test Pilot
- *"Do not let ego overcome reason."* Al Hodges, Ultralight pilot, Homestead, FL
- *"Fly as if angels are watching you and taking notes."* Dr. Anthony Romanazzi, Ultralight pilot
- *"If you are bored flying, your standards are too low."* Lauran Paine Jr., article in Sport Aviation, June 2014
- *"Learning the secret of flight from a bird was a good deal like learning the secret of magic from a magician. After you know what to look for you see things that you did not notice when you did not know exactly what to look for."* Orville Wright
- *"Rule books are paper - they will not cushion a sudden meeting of stone and metal."* Ernest K. Gann, from *Fate is the Hunter*
- *"An airplane might disappoint any pilot but it'll never surprise a good one."* Len Morgan, RCAF pilot and aviation writer

- *“Do not spin this aircraft. If the aircraft does enter a spin it will return to Earth without further attention on the part of the aeronaut.”* –excerpt taken from first handbook issued with the Curtis-Wright Flyer
- *“In soloing, as in other activities, it is far easier to start something than it is to finish it.”* Amelia Earhart, Aviation pioneer
- *“There is an art . . . to flying. The knack lies in learning how to throw yourself at the ground and miss.”* Douglas Adams, *'The Hitchhikers Guide to the Galaxy'*
- *“That's not flying, that's just falling with style.”* Woody, from the 1996 movie *'Toy Story'* regarding Buzz Lightyear

Many of the quotes above were taken from an FAA Advisory Circular (AC90-89B) entitled, Amateur-Built Aircraft and Ultralight Flight Testing Handbook. This can be found in .PDF format at the FAA website or simply by doing a web search for the AC document number. It's a terrific resource for any flyer to use as a reference or refresher, and particularly so if about to test fly a new airplane. In addition there are many articles about flight testing our homebuilt aircraft which are available to EAA members online through the EAA *Sport Aviation* magazine archives.

In closing, a reminder that this month is our annual chapter Young Eagle Rally! It will be on Saturday October 15th, with flights starting around 8AM, for youngsters ages 8-17. Come out and join the fun. We need pilots and planes, and volunteers to help with registration, to escort guests safely to and from the aircraft, to take photos, and to help with aircraft marshalling, and act as safety monitors. We'll talk more about it at our October meeting. It is always fun just to be around our fellow chapter members and their airplanes and especially to be able to share in the joy of introducing young people to the world of aviation! I hope to see you there. By the way, EAA 724 in Merritt Island will also have their Young Eagles event on the following Saturday, October 22nd, so there's another opportunity to volunteer with our neighboring chapter.

Best Regards,

Les Boatright (EAA# 563003)

President EAA 866, *Smilin' Jack* Chapter

“Life is what happens while you're building your airplane.”

Good video on traffic pattern stalls

Avoid stalls in the traffic pattern

The AOPA Air Safety Institute looks at flying the traffic pattern and how pilots' actions or inaction can put them at an altitude where an inadvertent stall or spin may be unrecoverable. This altitude is described as the "red zone," where pilots must concentrate on keeping the airplane, themselves, and their passengers safe. Please share the video, made possible by The Tom Davis Fund, with others so they, too, can increase safety in the traffic pattern. **Watch the video..**

www.youtube.com/watch?v=M8scVzLX9I8&feature=youtu.be

My thoughts about stalls in the traffic pattern

Larry Gilbert

As far as stalls go, the ones that kill most pilots happen during the landing phase and in the traffic pattern. Stalls at altitude where we generally practice them when you know they're coming aren't very realistic. Any stall that you do when not expecting it, even at altitude, is different than one you do on purpose. Never experienced one?

Get your instructor to cover the airspeed instrument and turn off the stall warning alarms. Practice minimum controllable flight with and without power and do turns. You might stall it by mistake! In airplanes like mine and a lot of homebuilts there's not a little twist in the wings to keep the ailerons effective in a stall and if the plane rolls during the stall, application of the stick or yoke to correct the roll may only aggravate it and then.....maybe spin! At pattern altitude and below, you don't stand much of a chance of recovery before meeting the ground if you accidentally stall. Your salvation: Be spring loaded to release back pressure add power and if the airplane starts to roll in one direction or the other, use RUDDER (instead of ailerons) opposite to the direction of the roll, If you've flown with me, I may have demonstrated this to you. Also, on takeoff, especially at Vx with the nose pointed up and with P factor going on, if you lose power what is the FIRST thing you should be spring loaded to do? If you give the wrong answer during a flight review with me we'll do a little demonstration with you doing the flying, at altitude of course.

Young Eagles

This is coming up fast and this is our last newsletter before the event. We have at least 5 airplanes and pilots lined up for the rally and maybe we'll find another before the 15th gets here. The registration and ground crew positions are being filled and we will have a smooth running and safe operation again this year. One thing that bothers me a little is I don't have much of an idea of how well the word is getting out. We have always got our Young Eagle candidates mostly by word of mouth and this year we have a sign on building 10. Dave Rich who maintains the NBBB website, has this posted as a Titusville event. Check it out. nbbd.com/npr/smilinjack/index.html Please do your part by telling folks about our Young Eagle Rally. We still have some hand out literature for you if you need it.

There will be a meeting held on Thurs. Eve Oct 13, 7:00 pm. This meeting is open to all who want to be involved in the rally. Most of the discussion will be about the procedures and route involving the flights so, it is especially important that our pilots be in attendance. Shouldn't take more than 1/2hr! See you then.

Larry Gilbert Chapter Young Eagle coordinator.

From Member Deborah Van Treuren:

Flight Training Scholarship Opportunity Available for High School Band Members

(Go to www.flyingmusicians.org. It's right on the front page)

With our Young Eagle Rally coming up this month, it's appropriate to make our members and eligible Young Eagle participants aware of this interesting scholarship opportunity available from the Flying Musicians Association:



"Nominations are now open for the 2017 FMA Solo Program. This scholarship is intended for high school juniors

and seniors who are in their school band and have a desire to fly. Winner(s) will receive funding, materials and support towards soloing an aircraft. Nominations must be received from their band director! All nominees will receive a FREE student membership which includes a FMA shirt and other items donated by sponsors. Deadline for nominations is January 31, 2017"

(Details at: www.flyingmusicians.org)

This is the third year for this successful program from the Flying Musicians, so if any of you know of a young person who would like to jump start their aviation career, this is a fine opportunity.

No, it is not a maintenance scholarship, but how many maintenance folks would've loved to solo a plane in high school. Plus any scholarship bodes well for students' future resumes and for other scholarships.

Here's a chance for a High School Junior or Senior Band Member to join the FU-FU club! (Fly Um & Fix Um)

(Details at: www.flyingmusicians.org)

From Member Richard Van Treuren:

On the Subject of Chapter Presentations and Audio-Visual Gear

Fellow Chapter 866 Members,

Noting that Larry had to lug his mainframe computer in for our meeting last month (as he has before), I was thinking about the old computer I have sitting on my shelf that became obsolete for want of a pricey part. I'd be willing to bet between our members we have enough old computers looking for a home that one of us could beat them all together to make a useable computer for the chapter. This might even include a Wi-Fi card that could use a member's hotspot phone to go online if required, say to take advantage of the EAA National's offer of using the *SolidWorks* 3-D CAD modeling software, etc.

Of course we can afford to purchase a newer computer, but we should also consider that when Larry's kindly-donated use of his projector eventually needs a bulb or other pricey replacement part, we could invest in a new projector unit which doesn't even need a computer to make chapter presentations, one that simply accepts a memory stick or HDMI input directly.

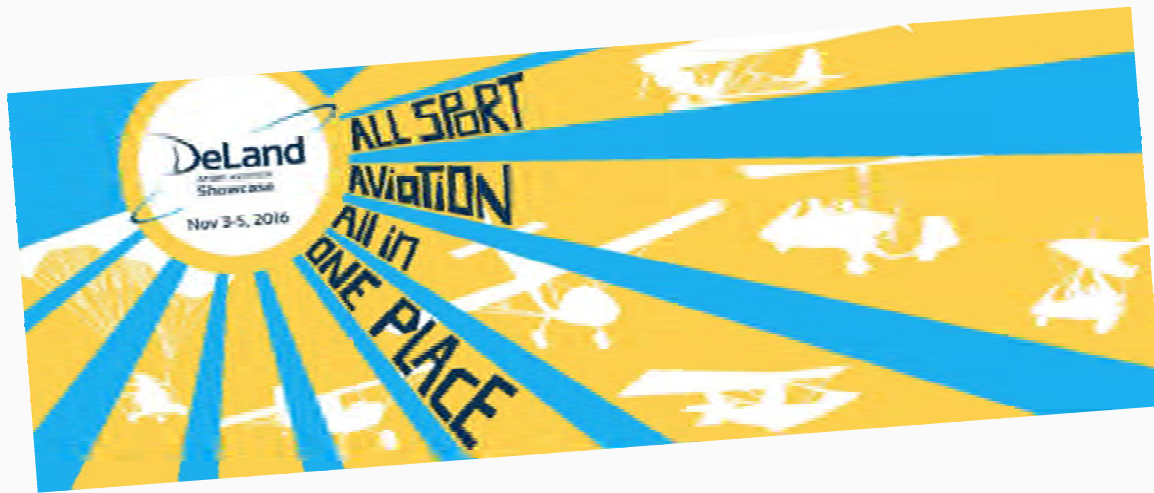
If you like the idea of building a chapter computer from old parts, bring what you have to the next meeting and Dr. Fronkisteen's disciples can piece something together.

-Richard G. Van Treuren

{Follow-up from the Prez: Richard brings up a good subject! This audio-visual issue has sort of been a back-burner item for a while. Last year we had MUCH higher priorities with our chapter building's roof and general safety improvements. So far this year, we've upgraded our chairs for the chapter pancake breakfasts, and . . . likely made a significant contribution to Arthur Dunn's Airport's Noise-Abatement program by replacing our window Air Conditioner! We've had some terrific presenters visit us in the last year or two and given that there's so much media available these days in the form of Chapter Video News, Power Point presentations, Training DVDs, and other items, we should consider some options for streamlining visual presentations. The set-up of the tool cart, drop-cord, projector, computer, laptop, & speakers is rather a cumbersome affair. I'd like for us to consider options which do not involve one of our members bringing half his office equipment to the meeting every month. If any of you are really smart about audio-visual projector units, what's good, what's not and what pitfalls to avoid, please talk to me at the next chapter get-together.}

New Upcoming Event: Deland Sport Aviation Showcase!

Nov. 3-5, 2016



DeLand Showcase Welcomes Charlie Becker as a Keynote Speaker

The DeLand Sport Aviation Showcase is delighted to welcome Charlie Becker, EAA's director of Chapters, Communities & Homebuilt Community Manager, as a Keynote Speaker for the 1st annual Showcase. He will present at 1 p.m. on Thursday, November 3, in the Show Center Tent. The 1st annual DeLand Sport Aviation Showcase will be held November 3-5, 2016, at the DeLand Municipal Airport (KDED).



Charlie has been a leader in the EAA homebuilding community for more than 15 years. He's built a Sonex homebuilt, is now constructing a Super Cub clone and an EMG-6 glider, while currently flying a homebuilt CUBy. His keynote address will focus on "hot topics" in the homebuilding community, including EAA's advocacy efforts on the proposed new experimental aircraft operating limitations, ADS-B options for homebuilders, and more.

Charlie said, "I'm excited to participate in the DeLand Showcase! I think one of the things that will set this event apart from others is that, because there isn't an air show, homebuilders will be able to fly anytime they want. That harkens to the 'good ole days' of the Rockford Fly-In...a time homebuilders cherished."

In addition to his keynote speech, Charlie will present two forums during the Showcase weekend – "What's Involved in Kit Building" and "Registering and Certifying Your Homebuilt." The Showcase's complete Forums schedule will be available online in early October.

Site Preparations in Full Swing

Meanwhile, the Showcase site is a beehive of activity as Airport Manager John Eiff and Showcase Field Manager Gary Filip prepare the site to host the 1st annual Showcase. DeLand Sport Aviation Administrator Jana Filip said, "Our Facilities team is busy planning aircraft and crowd movements, establishing fence lines, improving drainage systems, and arranging electrical outlets so that exhibitors and visitors alike will have a very pleasant experience at Showcase 2016."

All outdoor exhibit spaces have been filled (with a waiting list), and indoor exhibit registration is nearing capacity. Anyone still interested in exhibiting at the Showcase should contact Filip ASAP (e-mail filipj@deland.org).

Volunteer Recruiting Underway

The DeLand Showcase is currently recruiting volunteers to fill the approximately 150 volunteer positions needed to assist in the set up, operation, and tear down of the event. Interested volunteers may review the available volunteer options online at www.sportaviationvillage.com/volunteer-opportunities/#volunteer. Filip said, "We welcome anyone interested in volunteering. The Showcase will be a great opportunity to meet aviation professionals and enthusiasts from around the world."

Don't Miss Showcase 2016!

DeLand Showcase 2016 is shaping up to be a dynamite event you won't want to miss! DeLand Municipal Airport (KDED) is located approximately 40 miles north of Orlando and just west of Interstate 4 between Orlando and Daytona Beach, which is 16 miles to the east...in the heart of Florida's entertainment and recreational activities. Local hotel and camping information is available online at www.sportaviationvillage.com/showcase under "Local Information."

You can learn more about the Showcase online at www.sportaviationshowcase.com ... via Facebook by "liking" DeLand Sport Aviation Village – [www.Facebook.com/DeLandSportAviationVillage](https://www.facebook.com/DeLandSportAviationVillage) or by following on Twitter @DeLandShowcase.

Visitors

Around 9:00 am one Saturday in Sept., two Aeronca Champs flew in and landed on rwy 33 in formation. They taxied over to the hangars and visited the hangars that the hangerarrounders hang around in. Hangar row T3! They said that they were here for the breakfast and we told them that they were a week late. They seemed a little confused over this and said that their information must have been wrong. Then one of them asked if a yellow Long EZ had landed here yet and we told them no, no yellow Long EZ. Strange because they all left Zephyr Hills airport around the same time to come to breakfast and the EZ is slightly faster than 7EC Champs are! A little head scratching and when asked if Dunn was the only Titusville airport, it occurred to us that they were probably supposed to be headed to TICO for the Valiant Air Command monthly breakfast and not the Smilin Jack breakfast. That's probably where the EZ went! They seemed to be having so much fun with C866 members and were treated to breakfast cookies and coffee that they decided to hang around with us instead of going over to TICO! We exchanged e-mail addresses and one of them borrowed 3 gals. of gas from me and they headed out. They learned about our beautiful turf runway taxied out and took off in formation on rwy 04 right into the wind. The two Champ pilots, Dennis D'Angelo and Ken Gaber said they'd be back for our breakfasts but probably not Oct. because of the Thomasville fly-in, an annual event that they always attend. FUN!

Two Champs takeoff from turf in formation after visiting us at Dunn



Chapter officers

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Chapter Monthly Breakfast

Sat. Oct. 1, 8:00 am

Dunn Airpark Bldg. 10

Titusville, Fl

Chapter Meeting

Weds. Oct. 5, 7:00 pm

Dunn Airpark Bldg. 10

Titusville, Fl

Young Eagle Rally

Sat. Oct 15, 8:00 am

Dunn Airpark Bldg. 10

Titusville, FL