



The Beacon

The newsletter of Chapter 54
Lake Elmo, Minn.

APRIL 2017

April 2017

NEXT MONTH'S PROGRAM WILL BE ON

MONDAY May 8, 2017

- Social hour from 6:00 to 6:30 PM
- Picnic 6:30 PM
- CHAPTER HOUSE, ENTRANCE B, LAKE ELMO AIRPORT 21D
- Speaker:
- Our Chapter Web site address: www.eaa54.org

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Hangar Tour with Farnsworth



[HTTP://WWW.EAA54.ORG](http://www.eaa54.org)

Guest Speaker Rob Ellos

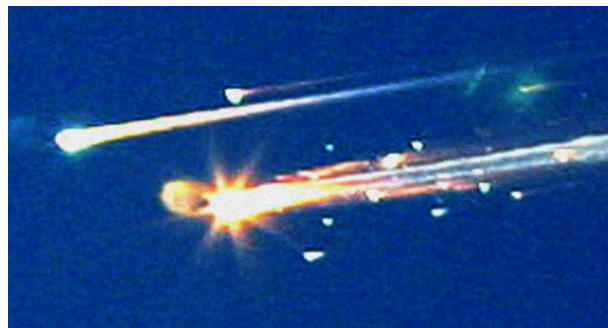
Speaker Rob Ellos told us about his insight into the Challenger and Columbia Space Shuttle Disasters.

He described the Nasa organization culture issues and mistakes made before the Challenger were the cause of the take off explosion.

He was a good amateur speaker who was passionate about the subject and focused on visual aides. The builders of the booster rockets recommended not to launch because it was below freezing. Communication failures and culture

of not listening meant they would launch. O ring seals on the boosters failed and caused the shuttle to explode.

The Columbia was damaged on launch but blew up when re-entry heat caused the shuttle to blow up. Both accidents have been used as examples of what not to do.



Education Report: Ground School and Farnsworth Hangar Tour Announcement

The 2017 ground school course is nearing its conclusion. It has been a big commitment for our 18 students. Since last February they have faithfully attended class on Mondays and Thursdays, from 6 – 9 pm.

The students are currently developing a flight plan for a cross country flight from Lake Elmo to Escanaba, MI, via Winona and Green Bay. At the end of the exercise, they will have completed a thorough flight log for the trip. The remaining schedule includes the third of three stage exams, two class sessions reviewing selected test questions from the FAA test bank, and a final exam. The class concludes on Monday, May 1. A score of 80% or better on the final exam will earn a sign-off to take the FAA written exam. They will be on track to complete the first (and for most students the most difficult) of three requirements to become a private pilot.

A big thanks goes out to our Lead Instructor (and newly retired Delta captain) Paul Rankin. Paul has done the bulk of the lectures for the course. John Renwick, Jim Pearsall, and Leif Erickson have filled in with smaller portions of the lectures. We are fortunate to have Paul in our chapter. Without him, we would not be able to offer an excellent ground school for a very reasonable cost.

The date for the 2017 Farnsworth Hangar tour will be Thursday, May 25. This is a great event for the second graders at Farnsworth. Their visit to the airport will include stops at five hangars. They will learn about compass navigation, radio control aircraft, how to fly a landing traffic pattern at a non-towered airport, and about equipment used to maintain airport safety. They will also visit a snack/refreshment/restroom “hangar” where they take a quick break. The tour will conclude with an opportunity to watch a live flight demonstration.



We are in need of one more hangar host, five hangar tour guides, a pilot for a live flight demo, and a helper at the refreshment station. If you are available and willing to help out, please contact Leif at education@eaa54.org. You will have a busy day. One group of about 60 students will tour in the morning and a second 60-student group will come for the afternoon. Each group will be divided into five smaller groups of about 12 students. Once organized, each small group will head out to a designated hangar. Each group will spend about 10 minutes at a hangar before rotating to the next hangar. After all the hangars are visited, the students will gather at our aircraft viewing area for a live flight demo. Following that, the students are back on the bus for the return trip Farnsworth. The volunteers will be treated to a pizza lunch at the clubhouse before the afternoon group arrives.

At the end of the afternoon session, the volunteers will be tired. Keeping groups of second graders focused and attentive is not an easy task. But the teachers and aides from Farnsworth will be along to help with crowd control. And, maybe you will have tweaked someone's future interest in aviation. These kids may be part general aviation's future.

Leif Erickson
Education Director



FROM THE FLIGHT DECK (PRESIDENTS REPORT)

JIM PEARSALL

Greetings inhabitants and fans of 21D! Another spring has sprung. Time for pre-flight without gloves and pre-emergent.

With the more hospitable weather and the return of a few of our migratory flock, 21D is busy with activities. At the clubhouse our regular meeting which included a program by Rob Ellos on the Space Shuttle, Challenger and Columbia accidents. Interesting this was the same week as the anniversary of Apollo 13 reporting a problem. Rob's program complete with exhibits and demonstrations kept folks attention throughout the program.

Before the program, we had a treat, bubbly and cake to celebrate Paul Rankin never getting another day off. I expect we will see a bit more of Paul on the field and in the local airspace. With the celebration and program we were a bit tight for time and had a very brief Business meeting consisting of a few reminders, updates.

First was the remind that in May, on the 8th we will have our bar-b-q with hopefully static display of our aircraft on the lawn, Fitting nicely into the calendar ahead of the cook out, instead of our usual trip to Oshkosh we will have a Work Party event right at our clubhouse. The change came out of a consensus that we should focus on our facility instead of putting collective energy into a trip.

Tasks on the agenda for our local volunteer opportunity are the window replacement, paint touch up, a bit of landscape and if we have the hands Audio work. Plenty for everyone from I can run a shovel or dip a brush to significant carpentry.

On the broader front, put the Great Minnesota Aviation Gathering on your calendar April 29-30 at ANE. This event has of great seminars and a chance to see the Golden Wings Museum amongst the exhibitors. We will have some presence, cooperating with staffing an EAA table and co-hosting a Leader Summit. If you are a Chapter Leader, here or elsewhere in Minnesota, you should have an invite from EAA.

Looking forward to the Summer, plans are underway for Aviation Days. One issue is I have some distractions in the month of June that will take me out of circulation as it relates to organizing this event. I am reaching out to folks for assistance, plan on having much of the groundwork done in May. Please let me know if you have bandwidth would like to help this year.

Last thing to mention is we are trying to get a Board Meeting scheduled but cannot settle on a day, time that works to get a quorum. This may be virtual, but will be soon. Look for the invite and see you at ANE next week or at the clubhouse for a field day May 6th!

Jim

EAA Offers Many Free Webinars

<https://www.eaa.org/en/ea/aviation-education-and-resources/aviation-videos-and-aviation-photos/ea-webinars>

Registration is required, and space is limited.

4/19/17 7 p.m. CDT

VMC Club – Is Textbook Knowledge Enough?

Qualifies for FAA Wings credit. Radek Wyrzykowski, EAA Manager of Flight Proficiency

Discover how discussion of Real-life experiences develops safety and proficiency through practical knowledge. Consider how you would handle a situation involving an event never addressed in your aviation training. Would your book knowledge be enough? Would you be able to avoid loss of control when the unexpected develops, and you have only seconds to take appropriate action? Join Radek Wyrzykowski, EAA manager of flight proficiency, to discuss the new and exciting EAA chapter program: VMC Club. This new program can improve your safety, skills, and knowledge in organized hangar flying focused on improving aeronautical decision making. Join in to learn how this can benefit you, your EAA chapter and your fellow pilot friends.

4/24/17 7 p.m. CDT

Chapter Chat: Donations and Contributions to Chapters, Patti Arthur

Tax attorney Patti Arthur discusses the legalities, tax benefits, and the potential pitfalls when accepting donations of cash or property. She will discuss donations of completed aircraft as well as partially built or unbuilt kit aircraft. Additionally, highlighting recordkeeping, IRS filings, and references to additional informational resources.

4/26/17 12 p.m. CDT

Aircraft Physical Damage “Hull” Insurance Bob Mackey, Falcon Insurance Agency

Building, restoring, maintaining, and enjoying an aircraft is more than an investment in labor and money; owning an aircraft is also about the passion of flying. EAA and the administrative agent for EAA Insurance Solutions, Falcon Insurance Agency Inc., know and understand the value EAA members place in their aircraft. Together, they work to provide EAA members with affordable insurance solutions that go beyond simply protecting the value of the aircraft. Join EAA Insurance Solutions representative, Bob Mackey, senior vice president of Falcon Insurance Agency, Inc., as he discusses important aspects of aircraft hull insurance, including options for saving money, avoiding buying insurance you may not need, and uncovering pit-falls aircraft owners need to avoid when they are searching for the right insurance at the best price.

4/26/17 7 p.m. CDT

Sailplane Mountain Flying - What is Possible?

Qualifies for FAA Wings credit. Bruno Vassel

Modern gliders (sailplanes) surprise most people, including other pilots, with what they can do. On a normal summer's day while gliding in the western US, sailplane pilots are often flying many hundreds of miles in flights lasting 6 to 8 hours. How is this even possible? Bruno Vassel from the Soaring Society of America discusses the thrill and challenge of flying gliders long distances over the Rocky Mountains and the Great Basin in America's west.

5/3/17 8 p.m. CDT

Buy...or Walk Away?

Qualifies for FAA Wings and AMT credit. Mike Busch

You're in the process of acquiring an aircraft. You've found a promising candidate, but the prebuy reveals some issues. How do you decide whether to buy the aircraft anyway or to walk away from the deal? Mike Busch, whose company has managed hundreds of prebuys and counseled hundreds of prospective buyers, offers some thoughts on this subject.

5/10/17 7 p.m. CDT

I'M SAFE: Reviewing the Pilot's Preflight Inspection Checklist

Qualifies for FAA Wings credit. Prof. H. Paul Shuch

MENOMONIE AIRPORT IMPROVEMENTS PLANNED

Menomonie Municipal Airport needs more space designated for hangars. The airport has 28 hangars, which house 31 aircraft, said public works director Randy Eide. One spot is open for a hangar and that has been spoken for with the hangar expected to be built later this year.

“The Airport Commission with the Bureau of Aeronautics and the city of Menomonie is looking at areas we can expand so that more general aviation hangars can be built,” Eide said. The north site could house maybe a dozen hangars and the east site possibly seven or eight, Eide said. “We generally let people build hangars to the size they want,” he noted.

“There is steady interest in general aviation hangar development here. Our last lot is gone,” he said. Eide said he is not surprised the airport needs additional hangar space. “It’s a very user-friendly airport,” he said. “There are two runways serving the airport. There is a new terminal building. Gibson Aviation Services is on site for mechanical work. It’s an attractive site for general aviation use.”

Darrel Gibson, owner of Gibson Aviation Services and the fixed base operator for the airport, said the sites need taxiways, utilities and be leveled and have proper drainage for hangars. “I wish we had it ready already,” he said. “It’s pretty important because airport funding is generated by leases for spots. Without the lots it’s hard to increase your operations at the airport.” Land for hangars is leased for 20 years from the airport. Hangars can be sold if the sale is approved by the Airport Commission. Eide said he would expect the commission to make a decision later this year or in 2018 on expanding space for hangars.



“It’s very important for growth and development to show there is space for someone to come in,” he said. Chippewa Valley Regional Airport in Eau Claire also is working on adding to the hangars it has for lease. On average, only two out of the 48 airport-owned hangars were vacant during 2016, according to a report airport manager Charity Zich delivered Tuesday to the County Board. A new 10-stall hangar is planned this year for the airport on Eau Claire’s north side, according to the county’s budget.

Contact: 715-556-9018, pamela.powers@ecpc.com, @MenomonieBureau on Twitter

None of us would dream of going flying without first performing a thorough preflight inspection of the aircraft. Why should checking the condition of the pilot be any different? In this FAA Safety Team WINGS webinar, longtime flight instructor professor H. Paul Shuch gives examples from decades of his own personal safety deviations. While reviewing a popular acronym, he explains how it can help us to ensure that the PIC is just as airworthy as the machinery.

5/11/17 7 p.m. CDT

Avoiding the Base to Final Turn Accident

Qualifies for FAA Wings credit. Gordon Penner, International Aerobatic Club

Gordon Penner, master CFI-aerobatics and FAA Gold Seal instructor, will present simple and clear explanations of the elements leading up to a base to final stall/spin accident. He will highlight how to recognize and stop these elements, and discuss the true nature of stalls and spins that most pilots have not been taught..

5/17/17 12 p.m. CDT

SOLIDWORKS: Training Pathways Jeff Setzer

Once a member has installed SOLIDWORKS, the most common question we see is: What's available for training? For an individual unfamiliar with computer-aided design (CAD) technology, the learning curve can be steep! EAA has been working with GSC, the value-added reseller assigned to us by DS SolidWorks, and EAA SOLIDWORKS support volunteers to identify and develop resources for training. This webinar will explore the options, and provide a tutorial on common aviation design process.

EAA AIRVENTURE OSHKOSH 2017 NOTAM NOW AVAILABLE FOR PILOTS FLYING TO OSHKOSH

Oshkosh air traffic procedures are required reading for all aviators flying to AirVenture

EAA AVIATION CENTER, OSHKOSH, Wisconsin — (March 31, 2017) — The Federal Aviation Administration has released the EAA AirVenture Oshkosh 2017 Notice to Airmen (NOTAM), featuring arrival and departure procedures for EAA's 65th annual fly-in convention July 24-30 at Wittman Regional Airport in Oshkosh.

The NOTAM, which is in effect from 6 a.m. CDT on Friday, July 21, until noon CDT on July 31, outlines procedures for the many types of aircraft that fly to Oshkosh for the event, as well as aircraft that land at nearby airports.

The NOTAM was designed by the FAA to assist pilots in their EAA AirVenture flight planning. This year's NOTAM cover features a photo of a B-25 bomber parked at Oshkosh during the fly-in.

While the overall procedure is similar to past years, there are some changes compared to the 2016 version. Some of those changes include:

- TFRs expected on 10-11 a.m. CDT Friday, July 28, and during the afternoon air shows on Monday-Sunday, July 24-30
- Military area changes in central Wisconsin
- Oshkosh Taxiway Bravo designators changed
- Aircraft camping allowed at Appleton
- IFR arrival and departure routings
- Airports added to IFR Special Traffic Management Program

Pilots can download a digital version of the NOTAM at www.EAA.org/NOTAM, or order a free printed copy via that website or by calling EAA Membership Services at 800-564-6322.

To further assist pilots flying to Oshkosh this year, EAA volunteer NOTAM chairman Fred Stadler is hosting a June 14 webinar that will highlight special tips and other aspects of the NOTAM fly-in procedures. Register at the EAA website at EAA.org/webinars. In addition, the National Transportation Safety Board has published an informative safety bulletin about arriving to a major fly-in event.

Minnesota lawmakers request funding support for airports

By [Pioneer Staff Report](#) on Apr 13, 2017 at 3:30 p.m.

WASHINGTON D.C. -- Minnesota's Congressional delegation have teamed up in requesting support for state airport programs from the U.S. Dept. of Transportation.

U.S. Sens. Amy Klobuchar and Al Franken as well as Reps. Collin Peterson, Betty McCollum, Tim Walz, Keith Ellison and Rick Nolan, by way of a letter, have urged Transportation Secretary Elaine Chao to advocate for adequate funding to critical aviation programs in Minnesota in the Administration's fiscal year 2018 budget.

According to a press release from the delegation, the programs the Essential Air Service Program and the Contract Tower Program. The first program supports flights to and from airports in Bemidji, Brainerd, Chislm/Hibbing, International Falls and Thief River Falls.



The Contract Tower Program, meanwhile, allows air traffic services to be contracted to the private sector at select airports, such as the Anoka County Airport and St. Cloud Regional Airport.

“Minnesota has a vibrant aviation sector that is a key economic engine in our state. We are home to more than 135 public airports,” the letter read. “Healthy hub, regional and general aviation airports are important to maintaining Minnesota’s robust commercial, business and general aviation sectors.”

Call for Presentations AirVenture Oshkosh 2017 – **Initial Deadline May 1st 2017**

Calling all past Oshkosh presenters - Present at This Year's AirVenture Forums and Workshop venues!

Preparations have begun for EAA AirVenture Oshkosh 2017, "The World's Greatest Aviation Celebration" Forums and Workshop programming

With your help, we strive to offer attendees world-class forums and presentations that provide technical, educational, historical, and entertainment value.

Consider being a Forums, Museum or Workshop speaker again this year, submit your presentation request(s) online at:

www.eaa.org/speakerinfo

We appreciate your past support and look forward to your help in making the forums area at EAA AirVenture Oshkosh 2017 a memorable experience for all who attend!

If you have any questions, please contact us at speaker@eaa.org



the Minnesota Pilots Association
presents



Cheryl Daml, CFI, CFII, presents this course, her version of the well-received AOPA course of past years, which will help give non-flying spouses and significant others the tools necessary to safely complete a flight if the pilot-in-command should be unable to do so.

APRIL 29 • GREAT MINNESOTA AVIATION GATHERING
ANOKA COUNTY • BLAINE AIRPORT • GOLDEN WINGS MUSEUM



Chapter 54 Directory

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	21D AWOS:120.075, TPA: 1932'
	Runways::
	4-22 (2497' x 75')
	14-32 (2850' x 75')

FOR SALE

Two Peltor Nordica Sport 6T aircraft headsets. \$75 for the pair, or \$40 each. Contact ddsylverson@comcast.net

Aircraft manuals for sale. All are used items, some are OEM printings and some are reprints. Priced each or make me an offer for the collection. Contact: ddsylverson@comcast.net

- Piper Super Cub (PA-18) Owner's handbook.....\$5.00
- 1972 Cessna 182 and Skylane Owner's manual (OEM printing).....\$7.50
- 1960 Cessna 182 and Skylane Owner's manual (re-print).....\$2.50
- 1980 Cessna 152 Information Manual(OEM printing).....\$7.50
- 1985 Cessna Skyhawk Information Manual(OEM printing).....\$7.50
- Piper Arrow (PA-28R 200 B) SN 28R-7135001 and up Owners Handbook (Reprint) \$5.00
- Piper Cherokee Archer PA-28-180 information manual - Handbook part number 761-556 (OEM printing) 8.00
- Piper Cherokee Warrior PA-28-161 Revision July 14, 1975 (Reprint) \$7.50



Tailwinds Flying Club Welcomes New Members

Tailwinds Flying Club is based at Lake Elmo airport. We are a non-profit corporation of 39 pilots who equally own three aircraft and one hangar (25E). Our goal and philosophy are to fly great airplanes safely and inexpensively. We currently have a Cirrus SR20, Archer II and Cherokee Six. Some of our members belong to EAA 54 and we love to fly Young Eagles. Please stop by and visit us anytime! North side, Fairchild Lane, Hangar 25E. To inquire about membership, please call 612-584-1740 or visit www.tailwinds21d.org.