



CHAPTER 1093
Experimental Aircraft Association

LOOKIN' UP

The EAA Chapter of Modern Explorers

EAA Chapter 1093
Midland, MI
Jack Barstow Airport
KIKW
December 2018

President

Dave Fick

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Vice-President

Jeff Gallant

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John Haag

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John McPeak

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Past President

Mike Woodley

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Young Eagles Coordinator

John Sorg

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Publicity Chair

Don Bonem

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Santa Fly-In



Sunday, December 2

Kids Crafts 11:00-12:00

Santa lands at Noon

Midland Barstow Airport

This FREE event is presented by EAA 1093



In lieu of our December meeting, we'll have our annual December Holiday party on Saturday, December 1st; social hour at 5:00 pm and dinner at 6:00

Our next general meeting will be on January 5, 2019 at 10AM

In this issue:

- Longview Preschool Field Trip
- Santa Fly-In
- Prepare your airplane for winter
- Applications for a Full Aeronautics Scholarship
- FedEx Express Grant to Help Train new Pilots
- EAA 1093 Chapter Membership Meeting Minutes
- What happens when a drone hits an airplane wing?
- Members activities – Tom and Don Aviation Adventure
- Private airport for sale in Michigan
- EAA Seeks Volunteers for Chapter Advisory Council
- New EAA.org Account
- The best weather tool you've never heard of
- AEA now accepting scholarship applications
- EAA 1093 Board Meeting Minutes, November 15, 2018

Reminder - EAA SCHOLARSHIPS
NOMINATIONS DUE BY THE END OF MARCH
Think now. Details to follow.

Longview Preschool Field Trip

Thirty preschoolers from Longview School, along with many parents, visited Barstow Airport on November 9. Sarah Pagano hosted the group in our EAA Building where she, and Don Bonem had set up many tables and chairs for craft activities.



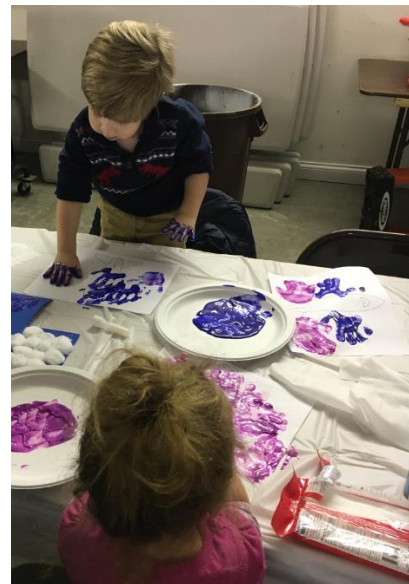
Linda Langrill and Jeff Gallant also assisted the young people as they participated in the varied aviation related projects. The loud noise level was proof of the enthusiasm as the small hands completed activities.



Small groups were sent to Dot Hornsby's hangar where she assisted them sitting in the Floyd Fliver and Don Bonem helped the young students into Dot's Cessna 182T to 'take the controls'! An added attraction for several was 'driving' the golf cart.



Educational activities like this help promote our Chapter and the Airport as being a 'friendly and supportive' part of our Midland Community.



Many thanks go to Sarah Pagano for planning and hosting these groups throughout the year! Sarah attended our Aviation Camp in 2005 (Sarah is the last Camper on the right in the back row), was a staff member for many years and is currently our Camp Director.

Santa Fly-In

We are in desperate need of more help for the Santa Fly In. Publicity has been wonderful for the event, and we are expecting lots of eager kids to come to the airport to see Santa. This a wonderful opportunity to show good will to our community and to share holiday cheer. I'm asking for three hours of your time, if you could be so good to give it, on **Sunday, December 2**. I need volunteers to arrive at 10:00AM. Crafts will begin at 11 and go until just before Noon when Santa lands. Once the kids are waiting for Santa and the station you're at is picked up, you would be free to leave.

If you have the date on your calendar but didn't let me know that you plan to help, please do (it would help my blood pressure!).

Thank you for your continued support of these events. Not only do they bring good attention to the airport and give back to our community but it gives us the chance to share our gifts, knowledge and passion with others. Years from now these kids may think back to their favorite Christmas being the one where they saw Santa fly in an airplane.

Thank you for your consideration,

Sarah Pagano

sarahkpagano@gmail.com

(989) 525-5206

The new Young Eagle and Pancake breakfast cards are here:



FREE AIRPLANE RIDES!
For Kids 8 thru 17 Years Old

 **Young Eagles Flights** 

2nd SATURDAY of every month
9am - 12:00pm weather permitting

Jack Barstow Airport (KIKW) 2800 Airport Road, Midland, MI 48642
Sponsored By EAA Chapter 1093 989-835-3231



PANCAKE BREAKFAST
Eggs to order, Pancakes, Sausages
HOMEMADE DONUTS

 **7 am to 11 am**
Fly In! Drive In! 

Walk the Tarmac, See the Aircraft,
Kids Crafts & Activities!

1st Saturday **Every May** (5/4/19)
2nd Saturday **Every September** (9/14/19)
Jack Barstow Airport (KIKW) 2800 Airport Road, Midland, MI 48642
Sponsored By EAA Chapter 1093 989-835-3231

Prepare your airplane for winter

Jeff Simon

Wash, wax, and detail the exterior

This may be your last comfortable opportunity to clean and protect the paint and windows of your aircraft. Cleaning off all of the residual bugs, dirt, and oxidation has benefits beyond the smile it will put on your face every time that you look at your airplane. Snow and ice readily cling to contaminants on your aircraft's exterior. A freshly waxed exterior, in contrast, readily sheds ice and snow...at least on the ground during preflight. Don't forget the windows. Using an aircraft-specific window cleaner and polish helps protect and seal those as well.

Change the oil

Changing your engine's oil removes harmful acids and contaminants and, with them, any water that is in the mix (at least until your next flight). The oil is doing its job by collecting these contaminants, but it pays to go into the winter with a clean slate. It will also get this task out of the way early in the season so you don't have to deal with blue fingers while trying to do the job later. If you use straight weight oil, this is your opportunity to switch to a thinner oil for the cold temperatures. Since cold temperatures and winter weather often mean less flying, consider an anti-corrosion additive such as Camguard. I use Camguard regularly and have been very satisfied with the results. Don't forget to do oil sampling and trend analysis with every oil change.

Lubricate the airframe

Most aircraft maintenance manuals include a lubrication schedule and chart. Most aircraft owners have never seen it. Take the time to find yours, obtain the lubricants listed, and apply them according to the instructions. Grease, oil, and other prescribed lubricants are your best protection against excessive wear and corrosion for every mechanism on the aircraft. Lubrication also helps avoid putting unnecessary strain on components that become stiffer to operate in the cold.

Charge, maintain, or replace batteries

Batteries don't perform well in low temperatures, so it's important to ensure they are in top condition as the temperatures drop. Beginning with the aircraft's main battery, have it tested to ensure it is still performing at the required capacity. If it fails a capacity check, replace it.

Consider a sealed AGM battery such as the ones made by Concorde. They reduce battery maintenance because they don't have to be topped off with water. I also recommend using a high-quality, aircraft-specific trickle charger such as a Battery Minder. And, don't stop at the aircraft's main battery. Replace every other battery you can think of, including headset batteries, flashlight batteries, and carbon monoxide detector batteries.

Inspect the heating system

Chances are you'll be using your aircraft's heating system for the first time in many months. Most single-engine aircraft derive their heat from the exhaust system, so inspect it carefully to ensure that carbon monoxide cannot infiltrate your breathing air in flight. If you have a twin, now is the time to make sure that combustion heater is safe and ready for use.

Prepare for preheating

If you already have an installed engine preheater, test and inspect it to make sure it is working properly. If you don't have one, consider the convenience one of these systems might provide. If you use a portable preheater, get that ready for use as well. Finally, consider an in-cabin heater. I have a small, fire-safe ceramic heater on a special thermostat that I use in the cabin to keep the interior temps above freezing and reduce the expansion/contraction cycling on the interior plastics and avionics.

Be prepared

Inevitably, we gather all sorts of items in the cabin of our aircraft throughout the year: extra batteries, oil, flashlights, notepads, water bottles, and other extraneous items. This is a great opportunity to take every single portable object out of the aircraft, evaluate it, and re-load the aircraft with the items most important to winter flying. Be sure to include cold-weather survival gear such as an emergency blanket, lighter, and other items. Be prepared for an off-field landing and a potentially cold night in the wilderness.

Applications for a Full Aeronautics Scholarship!

California Aeronautical University is offering a Dreams Take Flight Scholarship to a current high school senior based on personal goals, academic interest, and merit. The scholarship award will cover all of the tuition and fees associated with the university's Bachelor of Science in Aeronautics degree, up to \$151,650, including minimum flight hour requirements. The application deadline is March 31, 2019. [Click here](#) for more information.

**Reminder - EAA SCHOLARSHIPS
NOMINATIONS DUE BY THE END OF MARCH**
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FedEx Express Grant to Help Train new Pilots

A sign of the times - FedEx announced a generous grant to support pilot flight training at six universities.

A new \$2.5 million grant for pilot training from airline FedEx Express last month is additional confirmation that the pilot shortage is becoming acute, especially for airlines, benefitting CFIs.

"Remember when pilots were plentiful and airlines could pay peanuts and laughed at the idea of paying for pilot training?" asked Kevin D Murphy, SAFE Communications Director. "The worm has turned, and all the money airlines are pouring into pilot training is very good news. The challenge now is to bring professionalism to the previously fragmented world of flight instruction."

In the past year alone, several airlines have set up programs with established and new flight schools and aviation universities for flight training. In April, American Airlines started offering graduates of its AA Cadet program a guaranteed interview with any of American's three regional carriers, with the promise of a job with the major carrier as seniority allows in the regional airline.

FedEx's grant will be administered by six universities: University of Memphis in Tennessee, Delta State University in Mississippi, the University of North Dakota, Indiana State University, the Tennessee College of Applied Technology and Arkansas State University Mid-South.

EAA 1093 Chapter Membership Meeting Minuets

November 3, 2018

President Fick called the meeting to order at 1006 EDT with the Pledge of Allegiance.

Fick reported that the Chapter is in good financial position; Chapter supported Siebert Elementary Flight Night and Adams Elementary flight Night this past year; report from Simulator Committee is forthcoming.

Dot Hornsby requested pictures of planes for display on walls of Chapter building, pilots can submit photos to Dot.

Ballots were distributed for voting on the Chapter Directors for 2019. Successful candidates are:

Chapter President	Dave Fick
Chapter Vice President	John Sorg
Chapter Secretary	John McPeak
Chapter Treasurer	John Haag
Program Chairperson	Paul Ries
Membership Chairperson	Tom Ryden
Young Eagles Coordinator	Jeff Gallant
Historian/Librarian/Webmaster	Sarah Pagano
Chapter Facility Manager	Mike Carter
Newsletter Editor	Dan Graiver
Publicity Chairperson	Don Bonem
Technical Advisor	Pat Howe
Flight Advisor	Dick Sipp

Dennis Demeter, Michigan UltraLight Association (MULA), presented a program on ultralight planes, followed by Jeanne Brubaker's presentation on light sport planes.

Don Bonem presented a program entitled 'Tom & Don's Aviation Adventure' about the trip to and attendance at the Red Bull Air Race at the Indianapolis Speedway that he made with Tom Tolton. Bonem also reminded members of the Santa Fly-In on December 2 (contact Sarah Pagano to volunteer) and encouraged attendance at upcoming aerobatic competitions plus a seminar for learning how to judge aerobatic contests. Meeting adjourned at 1126 EDT; attendance 21 members, 8 guests. Following adjournment, members and guests enjoyed Malcolm Brubaker's venison chili plus donuts.

Respectfully submitted,
John McPeak, Secretary
11/3/2018

Video: What happens when a drone hits an airplane wing?

The folks at Aviation International News TV recently [posted a video](#) that reveals what it looks like when a drone hits the wing of a general aviation airplane. The video shows the drone hitting the wing and its resulting damage, courtesy of research done at the University of Dayton research institute.

Check it out at:

<https://www.youtube.com/watch?v=QH0V7kp-xg0>

Members' activities



Tom Tolton and Don Bonem, along with Don's daughter Ashley, traveled to Indianapolis Motor Speedway to see their first Red Bull Air Race. Weather was good, mid to upper 80's, and fun was had by all watching Michael Goulian, Kirby Chambliss of the USA battle with the other global racers for the 2018 Red Bull Air Race title.



Last race is in Fort Worth Texas November 17 & 18.



For more information see the following 2 links:
http://airrace.redbull.com/en_US/event/indianapolis-2018
http://airrace.redbull.com/en_US/event/fort-worth-2018

Private airport for sale in Michigan

Pilots interested in owning their own airport might consider this \$4 million, 155-acre Michigan property that features a home, hangars and and two grass runways.

If you're a millionaire who has ever dreamed of owning a private airport in a country setting, today is your lucky day.

Sky Ranch, a 155-acre piece of property at 4173 Noble Rd., is for sale. It's bordered by Noble Rd. to the north, Delano Rd. to the west and Addison Township to the east. It's listed for \$4 million with the Birmingham-based Dan Gutfreund Realty Group of Signature Sotheby's International Realty. Owned by Philip Handleman and his wife, Mary, since 1988, Sky Ranch features two airplane hangars – one is 1,519 square feet, the other is 1,581 square feet – and two grass runways, both of which are 2,550 feet long and 150 feet wide. The airport is registered with the Federal Aviation Administration.

Located in horse country, the property, which is zoned agricultural (20-acre minimum lots), has functioned as an airport since the early 1980s. It was established by the previous owner Pierce Woodworth, who originally wanted to open a commercial airport there, but then had its use restricted to private status by a 1981 court order. Woodworth's development of the airport spawned protracted, costly lawsuits involving Oxford Township and surrounding property owners.

Sky Ranch has welcomed countless guests, including a Medal of Honor recipient, Tuskegee Airmen, a Nobel Prize-winning scientist, U.S. and foreign military leaders, high-ranking government officials, astronauts, test pilots, fighter aces, veterans, prisoners of war, the daughter of a legendary aviation pioneer and members of the U.S. Air Force's Thunderbirds, U.S. Navy's Blue Angels and U.S. Army's Golden Knights. In addition to famous folks, Sky Ranch has also opened its hangar doors to students from local schools, scouts and disadvantaged, inner-city youth, who experienced their first plane rides there.

Sky Ranch contains a main house and carriage/guest house, totaling 4,789 square feet (above grade) and built in 1990. There's also 3,472 square feet of basement space. Attached to the main house are the hangars, plus a two-car garage. The guest house has a three-car attached garage.

"The geographic centerpiece" of Sky Ranch is a pristine wooded area, spanning nearly 40 acres, with trails for hiking and horseback riding.

EAA Seeks Volunteers for Chapter Advisory Council

Chapters are truly the grassroots of EAA. With nearly 900 of them worldwide, chapters are full of engaged members who participate in the many programs EAA offers. If you have a passion for EAA and a desire to share ideas and initiatives, holding a seat on the EAA Chapter Advisory Council may be a good fit for you.

The EAA Chapter Advisory Council represents and promotes the interests of EAA chapters by providing advice and counsel to EAA staff on chapter support and direction. This includes seeking out avenues to promote recruitment, training, support, appreciation, and direction, and to properly recognize EAA chapters and their members.

The members of the council are representative of our chapter leadership base and are approved by the EAA chairman and the vice president of member programs. Council member terms are three years, and the council meets annually in Oshkosh and monthly via teleconferences.

Apply now for the EAA Chapter Advisory Council by completing the online application found at <http://www.EAA.org/extras>.

New EAA.org Account

On November 5, the EAA website was migrated to a new server to improve security and perform other upgrades. **This means, however, that your current password will no longer work on the EAA.org website.**

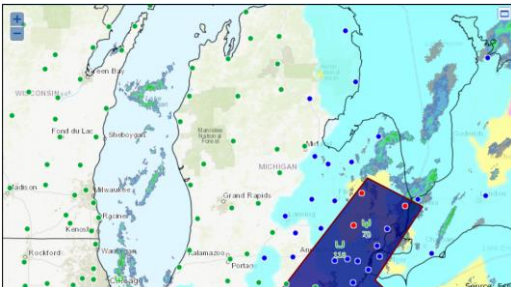
But it's easy to regain your exclusive access privileges:

- Click on **sign in** on the right top of your browser window. At login, click on the **forgot password** link. Then you will be prompted to enter your username and click the reset Password button. You will be emailed instructions so you can once again gain access to your online account.
- If you do not remember your username, click forgot username and follow the instructions, or contact Membership Services at membership@eaa.org or call 800-564-6322.
- If you do not receive an email, contact Membership Services at membership@eaa.org or call 800-564-6322.

The best weather tool you've never heard of

By Dan Namowitz

If you are a general aviation pilot who spends most of your flying time on short flights below 5,000 feet agl, there's a weather-data source designed just for you - and there's a 97% chance you don't know it exists, according to an AOPA survey.



The name of the weather tool – HEMS - may have something to do with that. HEMS stands for Helicopter Emergency Medical Services, and most GA pilots don't fly helicopters, or as emergency medical service pilots.

If you put aside the misnomer and find your way to the [HEMS page](#) on the Aviation Weather Service website, however, AOPA and the people who use the HEMS Tool regularly are confident you will confirm their assertion: "Everyone who finds it loves it." Checking the HEMS Tool during your flight planning will make you a safer, more weather-savvy pilot, they say, because the tool was designed in 2006 to increase pilots' situational awareness down low, thereby reducing loss-of-control accidents and controlled flight into terrain.

What makes the HEMS Tool such a valuable supplement to a weather briefing is that it fills a niche in the lineup of aviation weather information sources. The tool isn't a surface observation report (like a METAR) or a terminal forecast. Rather, it's a resource that helps you figure out what the weather may be in the low levels and at the surface between two reporting points.

When used in combination with the sources of weather information most pilots are familiar with, the HEMS Tool can be "our no-go decision maker," says Rex Alexander, president of Five-Alpha LLC in this [video presentation](#) on the tool.

Note that the tool is a supplemental product; it doesn't replace traditional briefings. And that's where it shows its strength, providing a customized presentation that lets a user overlay a variety of weather information on the display, and add or remove displayed data such as airports, boundaries, roads, nav aids, and more. There is also a button users can click to provide feedback to the AWC.

"From helicopters, to airplanes, balloons, drones, gliders, agriculture, EMS, firefighting and anything else flying from the surface up to five thousand feet, whether you are a student or a seasoned aviation veteran, this is one tool that should be in your decision-making toolbox," Alexander told AOPA. Check it out at:

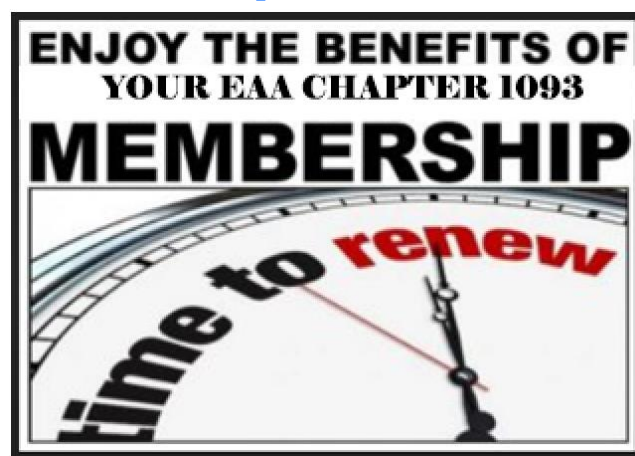
<https://www.aviationweather.gov/hemst>

AEA now accepting scholarship applications

Applications for scholarships from the [Aircraft Electronics Association](#) are now available [online](#). The Aircraft Electronics Association will award more than 20 scholarships totaling more than \$125,000 for the 2019-20 school year to students pursuing a career in avionics or aircraft maintenance, as well as students from AEA member companies, according to association officials.

Since its inception, the AEA scholarship program has awarded more than \$1.5 million in scholarships. Numerous awards are available, ranging from \$1,000 to more than \$35,000 each. The deadline to submit applications for the 2019-20 academic year is April 1, 2019.

It's time to renew your membership - 2019 Chapter's dues are due



Annual membership is \$25 (\$30/family)

Payable to: EAA Chapter 1093

drop in Education Building white mailbox

- or -

mail to: EAA Chapter 1093

PO Box 2464

Midland MI. 48641-2464

EAA 1093 Board Meeting Minutes

November 15, 2018

President Fick called the meeting to order at 1701 EST.

Directors in attendance: Don Bonem, Mike Carter, Dave Fick, Jeff Gallant, John McPeak, Dick Sipp, John Sorg, Mike Woodley

Directors unable to attend: Dan Graiver, John Haag, Tom Ryden, Michael Sawicki

Guest EAA member: Linda Langrill

Minutes from October 18 Board meeting were approved - motion by Gallant/Woodley.

Treasurer's report: report and budget will be e-mailed to Board by Fick and/or Haag.

Membership: no report

Hangar Committee: Bonem reported that two hangars are currently available, third hangar may become available. Bonem presented short term lease agreement for Board consideration. Cost/revenue analysis for hangars is being prepared.

Old business:

Building Needs Committee: Bonem presented proposed building addition layout.

Santa Fly-In will be on Sunday, December 2. Sarah Pagano is heading up the event, still needs volunteers. Motion by Woodley/Gallant to support the Santa Fly-In with \$350 – motion passed.

Simulator Committee: no report, tabled until December board meeting.

Sipp presented draft of proposed member survey, McPeak/Woodley made motion to create and send survey to ascertain: optimum day of month for membership meetings; what programs or activities would be most desirable - motion passed. Fick and Sipp will create survey and present to Board prior to sending survey to membership. Suggestions included instituting Eagle program, asking if members are interested in attending meeting, asking members why they attend meetings. Board input is requested by Friday, November 23.

Scholarship Committee: no report re: scholarship fund status. Committee was also directed to investigate EAA's Ray Aviation Scholarship Fund and report at November's Board meeting.

Young Eagles: Sorg reported that November 10 event was cancelled due to weather.

Nominating Committee report: Slate of Directors was voted on at November 3 membership meeting, following are the Directors for 2019 -

Chapter President	Dave Fick
Chapter Vice President	John Sorg
Chapter Secretary	John McPeak
Chapter Treasurer	John Haag
Program Chairperson	Paul Ries
Membership Chairperson	Tom Ryden
Young Eagles Coordinator	Jeff Gallant
Historian/Librarian/Webmaster	Sarah Pagano
Chapter Facility Manager	Mike Carter
Newsletter Editor	Dan Graiver
Publicity Chairperson	Don Bonem
Technical Advisor	Pat Howe
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McPeak reported that the AED unit has still not been installed, City is considering installing unit in public area of terminal building. EAA plaque will be installed after AED unit is installed.

Courtesy car – no report from Fick or Woodley re: acquisition of vehicle.

All Board members had not received Clubhouse LLC operating instructions/agreements for approval, Fick to send information to Board members before November Board meeting.

New business:

Woodley questioned which Directors are responsible for completing insurance forms, Young Eagle forms, etc. Jeff Gallant will contact EAA re: insurance for Young Eagle dates, Treasurer Haag will complete all other insurance forms, both for EAA insurance and for Bone & Bailey policies.

Woodley presented list of event dates in 2019:

EAA 1093 membership mtgs: first Saturday of each month, 10:00 a.m., except May/July/December
Young Eagle flights: second Saturday of each month, 9:00 a.m. – noon, except September
EAA 1093 Board meetings: third Thursday of each month, 5:00 p.m., unless cancelled
Pancake Breakfast Fly-Ins: Saturday, May 4, and Saturday, September 14

Fly-Out: Saturday, August 24, to 4Y9

Membership holiday party: Saturday, December 7
Santa Fly-In: Sunday, December 8

Board decided to have holiday party in EAA building on Saturday, December 1, 2018, in lieu of a membership meeting. 'Happy hour' begins at

5:00 p.m., dinner at 6:00 p.m., Chapter will provide ham, Swedish meatballs, and potatoes au gratin. Attendees (members and families and guests) to provide a dish to pass. Bonem will maintain list of attendees and what dish they will bring, and will coordinate set-up before the party and take-down after the party

Chapter annual renewal material needs to be returned to EAA National before year-end, Secretary McPeak and Treasurer Haag will make it happen.

An EAA National survey will be forwarded to members, Chapter 1093 members are strongly encouraged to fill out and submit the electronic survey. EAA National shares the results with the local Chapters, results which have local and national implications.

Vice President Gallant adjourned the meeting at 1801 EST.

Respectfully submitted,
John McPeak
Secretary
EAA Chapter 1093

Jeff's hanger

We were following the progress of building the new hanger. Below are a few photographs tracking this progress.



July 2018



August 2018



September 5, 2018



September 25, 2018



September 26, 2018

Mailing address for all correspondence:

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<http://www.1093.eaachapter.org/>

Dan Graiver, email: dgraiver@aol.com