



# Experimental Aircraft Association

## Chapter 24

Oklahoma City, OK

June / July, 2016



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## Meeting location

The July 14<sup>th</sup>, 2016 meeting will be at Sundance Airport, beginning at 7:00 PM. The meeting is upstairs in the FBO building / main terminal. Arrive early to socialize with your fellow aviation enthusiasts.

### Sundance Airport

1300 N Sara Rd, Yukon, OK 73099

**Phone:** (405) 373-3886

<http://sundanceairport.com/>

1.3 miles West of the Kilpatrick Turnpike on the Northwest Expressway, then 0.9 miles North on Sara Rd to airport entrance. Google Maps Link:

<http://goo.gl/maps/Q1dU9>



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## Previous Chapter Minutes

### May 12<sup>th</sup> meeting notes

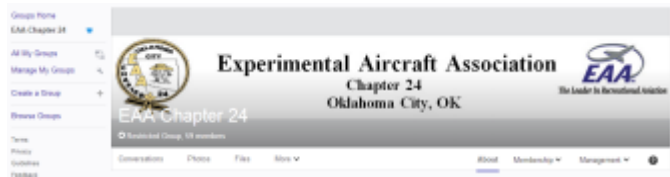
- Clothing with EAA Chapter 24 was available for purchase at the meeting.
- There were at least two new to introduce themselves, Mike Anhem and Bill Todd.
- The new Chapter 24 secretary is Dan Burdette.
- Upcoming Young Eagles events like Chickasha and AFJROTC were discussed. It was clarified that the AFJROTC event is open to more than the cadets.
- The third try for the Navigation Challenge was to be 6/4.
- The RV fly-in at Sundance will be 6/25
- The chapter discussed the offer by Jason Lovette to donate a Zenair CH2000 which has started to be converted to a CH640. The aircraft needs considerable work so one option could be to resell the plane.
- The chapter video was shown – weekend work parties and the STC approval of Dynon electronic attitude indicator.
- The meeting concluded with Jim Putnam presenting the Air Force Association current state of the Air Force.

**June meeting:** For the month of June, Chapters 24 and 1098 held their annual summer get-together at Gary Manning's hangar at Twin Lakes.

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## EAA CHAPTER 24 ON-LINE

### EAA CHAPTER 24 WEBSITE



The chapter web site is up and running on Yahoo Groups. Appears to be running well and has received good reviews. The website is located at the following address:

<http://groups.yahoo.com/group/EAA-Chapter-24/>

Chapter 24 has a Facebook page. Come join and check it out at:

<https://www.facebook.com/#!/EAA24>



Thanks to Brian Strack for creating this page for all Chapter 24 members and guests.

## YOUNG EAGLES



**Upcoming Y/E Events will be discussed and finalized at each Chapter meeting**

***Notify Pat Cohenour and let him know if you are planning on attending and flying any of our scheduled Young Eagle activities. All of us and the Young Eagle kids will appreciate it.***

### YOUNG EAGLES WORKS

EAA says its Young Eagles program, which aims to introduce youngsters to general aviation, has been successful at inspiring those youngsters to become pilots. By checking FAA's pilot registry against its list of Young Eagles going back to 1992, EAA said it found that Young Eagles are 5.4 times more likely to become a pilot than those who never participated. "The numbers show that Young Eagles is making an impact on the pilot population that is unmatched by any other single program," said Former EAA Chairman Tom Poberezny. The EAA analysis also showed that 9 percent of those pilots are female, a gain of 50 percent compared to the overall figure of 6 percent of the pilot population.

### Upcoming YE Events:

- Guthrie Open House sometime in September
- Saturday, Oct 1<sup>st</sup>, SNL, 9:00 am – 12:00 pm, Choctaw HS AFJROTC, 40 – 50 kids

### Recent Young Eagles Events:

#### May 28<sup>th</sup>/29<sup>th</sup> Sundance Airshow:

Troy Chaddon.....2  
 Pat Cohenour.....8  
 Herb Driskill.....3  
 Larry Eversmeyer.....4  
 James Harris.....3  
 Terry Joy.....5  
 Richard Payton.....3  
 Jim Putnam.....5  
 Steve Schmitt.....5  
 Bob Sheehan.....1

Total.....39

Welcome new YE Pilots James Harris and Richard Payton. Ground Crew: Larry Hinton, John and Joyce Myers, Gary and Karen Manning, and Joe Parker.

For Sundance:	YE's by towns:
OKC...7	Yukon...7
Edmond...4	El Reno...4
Chandler...3	Moore...3
Bethany...2	MWC...2
Norman...2	Del City...1

Mustang...1  
Flower Mound, TX...1

Neligh, NE...2

**First Ace Camp, June 11th**

Gale Braden.....3  
Pat Cohenour.....4  
Terry Joy.....3  
Jim Putnam.....3  
Steve Schmitt.....3

Total.....16

Ground Crew: Gary Barentine and Rick Parker

**Young Eagle count for ACE Camp #1 at Sundance on 6-25-2016:**

Gale Braden.....2  
Pat Cohenour.....8  
James Harris.....2  
Terry Joy.....2  
Richard Payton.....2  
Jim Putnam.....4  
Steve Schmitt.....2  
Bob Sheehan.....9  
TOTAL.....31

Ground Crew:

Gary Barentine, Rick Parker, Gary Manning, Floyd Gordon

**THANKS TO ALL WHO SUPPORTED THESE YE EVENTS!**

**FROM OUR MEMBERS**

Please see the two write ups from Jerry Calvert at the end of the newsletter covering the Navigation Challenge and the RV Fly-In.

**SAFETY**

**Density Altitude**

<https://www.aopa.org/training-and-safety/active-pilots/safety-and-technique/weather/density-altitude>

Throughout a pilot's flight training, there is instruction, and likely some experience of the detrimental effect high density altitude has on aircraft performance. But when the sky is blue and the summer sun is hot, even seasoned pilots can forget to carefully calculate takeoff, climb, cruise,

and landing performance during preflight planning, sometimes resulting in accidents.

Density altitude is often not understood and its effects on flight can be unanticipated, resulting in takeoff and landing accidents. This subject report explains what density altitude is and briefly discusses how it affects flight. Further information, including the Air Safety Institute's free online interactive Mountain Flying course, is listed at the end of the report.

Overview

In order to protect ourselves from the effects of density altitude, we must first understand what it is and how it impacts flight. This subject report defines and discusses density altitude, includes the formula used in calculating density altitude and provides a list of flying tips for safer operations in high density altitude conditions.

What Is Density Altitude?

Density altitude is pressure altitude corrected for nonstandard temperature. As temperature and altitude increase, air density decreases. In a sense, it's the altitude at which the airplane "feels" its flying.

How Will High Density Altitude Affect Flight?

On a hot and humid day, the aircraft will accelerate more slowly down the runway, will need to move faster to attain the same lift, and will climb more slowly. The less dense the air, the less lift, the more lackluster the climb, and the longer the distance needed for takeoff and landing. Fewer air molecules in a given volume of air also result in reduced propeller efficiency and therefore reduced net thrust. All of these factors can lead to an accident if the poor performance has not been anticipated.

**Technical Information**

Tips for Flying in High Density Altitude Areas

- Fly in the evening or early in the morning when temperatures are lower.
- Call a local instructor at your destination airport to discuss density altitude procedures at that airport.

- Before flying to a high-elevation airport, know whether your aircraft climbs more efficiently with the first increment of flaps. Many aircraft do, but results vary and that first notch of flaps may add more drag than lift.
- Be sure the aircraft's weight is below 90 percent of maximum gross weight.
- Don't fill the tanks to the top (see previous tip).
- Fly shorter legs and make extra fuel stops (tough suggestion to accept, but it results in less exciting takeoffs).
- Be ready to ferry one passenger to an airport with a lower density altitude, then come back for the other. If you are unsure of conditions, fly around the pattern once alone without baggage to test your aircraft's performance.
- Have 80 percent of your takeoff speed at the runway's halfway point, or abort. That means having 48 knots IAS in a Cessna 172 at the halfway point.

### Calculating Density Altitude

Density altitude in feet = pressure altitude in feet + (120 x (OAT - ISA temperature))

- **Pressure altitude** is determined by setting the altimeter to 29.92 and reading the altitude indicated on the altimeter.
- **OAT** stands for outside air temperature (in degrees Celsius).
- **ISA** stands for standard temperature (in degrees Celsius).

Keep in mind the standard temperature is 15 degrees C but only at sea level. It decreases about 2 degrees C (or 3.5 degrees F) per 1,000 feet of altitude above sea level. The standard temperature at 7,000 feet msl, therefore, is only 1 degree C (or 34 degrees F).

For example, the density altitude at an airport 7000 feet above sea level, with a temperature of 18 degrees Celsius and a pressure altitude of 7000 (assuming standard pressure) would be calculated as follows.

- $18 - 1 = 17$
- $17 \times 120 = 2040$

- $2040 + 7000 = 9040$  feet Density Altitude

This means the aircraft will perform as if it were at 9,040 feet.

## OPPORTUNITIES

Nothing to report.

## MISCELLANEOUS

### Senate passes medical reform

July 13, 2016

By Elizabeth A Tennyson

The Senate has passed a 14-month FAA funding extension, H.R. 636, which includes third class medical reforms. The 89-to-4 vote means the legislation now goes to the president for his signature.

For the full story go to:

[https://www.aopa.org/News-and-Media/All-News/2016/July/13/Senate-passes-medical-reform?utm\\_source=ePilot&utm\\_medium=Content&utm\\_content=adv&utm\\_campaign=160714epilot](https://www.aopa.org/News-and-Media/All-News/2016/July/13/Senate-passes-medical-reform?utm_source=ePilot&utm_medium=Content&utm_content=adv&utm_campaign=160714epilot)

### FAA Offers ADS-B Rebate

Starting this Fall, the FAA is offering a monetary incentive to help owners of general aviation aircraft equip with the required avionics that comply with the ADS-B Out rule that will take effect Jan. 1, 2020. The agency will offer a \$500 rebate to eligible aircraft owners. Go to [faa.gov/go/rebate](http://faa.gov/go/rebate) for more information.

## CLASSIFIED

On-line resources for buying and selling aircraft:

<http://www.biddingace.com/>  
<http://www.trade-a-plane.com/>  
<http://www.barnstormers.com/>  
<http://www.aso.com/>  
<http://www.globalplanesearch.com/>

Previous ads have been removed this month. If you wish to re-list an item for sale, please contact the newsletter editor at [piperflyer76@hotmail.com](mailto:piperflyer76@hotmail.com)

## ***Fun Places to Fly Within 100 Miles of Oklahoma City***

### **Annie Okie's Runway Cafe - Bethany, OK (8 miles)**

Right under the control tower. There is a great view of the runway. Good food! Monster cinnamon rolls. Oven-baked omelets. Daily lunch specials. Monday through Saturday 7am-3pm. Sunday 8am-3pm.

### **Echo Canyon Resort - Sulphur, OK (13 miles)**



The brochure accurately describes this wonderful place as a beautiful resort specializing in romantic luxury lodging and fine dining. It is located on 30 acres in the Arbuckle Mountains, and is owned and beautifully managed by Joe and Carol Vanhorn, two of the finest folks you will ever meet. I have spent a weekend in this wonderful property, and I highly recommend Echo Canyon Resort. I have also flown to the resort to enjoy Carol's wonderful breakfast. If you call ahead, Carol or Joe will have you picked up at the airport by one of their friendly staff. Give them a call.

### **Ozzies Diner - Norman, OK (13 miles)**

On airport home-style diner with airport view. All you can eat breakfast! Come hungry.

### **Libby's Cafe - Goldsby, OK (19 miles)**

A great little country cafe with a big menu. Relatively inexpensive but good food. Live music on weekends, usually in the evening. Just a short walk across the interstate overpass from the airport...you can see the sign for Libbys, just look west. Libbys will usually come pick you up if you need a ride. Hours: TUESDAY through THURSDAY, 6AM to 12AM, FRIDAY and SATURDAY, 7AM to 2AM, SUNDAY, 9AM to 3PM. CAFE CLOSED MONDAY. Map: <http://www.libbyscafe.com/images/map2.jpg>



### **Oklahoma Antique Airplane Association Fly In - Pauls Valley, OK (49 miles)**



The Oklahoma Antique Airplane Association has a monthly meeting/fly in at or club house on the northwest corner of the PVJ field, once a month on the first Saturday. Come join in on the fun! You don't have to fly an antique in, we have cars, motorcycles, and every kind of airplane old and new. We eat about 11:30 to 12:00 and have burgers hot dogs and in the winter chili and Cajun food.

### **Thomas P. Stafford Airport - Weatherford, OK (63 miles)**

Weatherford's airport hosts the outstanding Thomas P. Stafford Museum, memorializing the NASA space program and General Stafford's contributions including the Apollo-Soyuz program. Weatherford is a thriving college town that can easily be explored with one of the airport's courtesy cars. Fuel is relatively inexpensive too. One of our favorite stops!

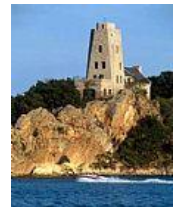
### **ADM Pancake Breakfast - Ardmore, OK (75 miles)**



Fly-In Pancake Breakfast. Every second Saturday 08:00 to 10:00 in the Hanger directly behind the control tower. Sponsored by Lakeland Aviation. Free to all, donations are accepted. Come enjoy breakfast and great fellowship with old friends and make some new one! See you there.

### **Lake Murray State Park & Lodge - Overbrook, OK (75 miles)**

Lake Murray State Park has an Air Strip right next to a beautiful golf course. Go into the golfing shop and call the Lake Murray Lodge and they will come pick you up. Great place to eat and spend the night.



### **Enrique's - Ponca City, OK (95 miles)**



Enrique's is on the field in the terminal building. Great Mexican food. There is a self service 24 hour pump for 100LL that takes

CC. The Ponca City Aviation Booster Club holds a fly in breakfast there the first Saturday of each month.

**Ponca City Aviation Boosters - Ponca City, OK**  
(95 miles)

Ponca City Aviation Booster Club hosts a breakfast flyin the first Saturday of each month. For \$7.00 for adults and \$3.00 for kids you have all you can eat pancakes, eggs, biscuits and gravy, smoked sausage, bacon, fruit, fruit juices and coffee. Chapter members report there were over 500 in attendance in February! The price was raised from \$5 to \$7 to offset rising food costs.

*Note: There is ongoing construction on the airport ramp and around the Booster Clubhouse areas.*

*The main aircraft ramp is OPEN for parking this month. If the main ramp is full, you may be directed to other than normal parking areas.*

*The self-serve pump area is open for fueling (\$4.00/gal, 100LL).*

“Lake Texoma Airport (F31) is open for traffic again.

**Over 100 Miles from Oklahoma City**

**Pioneer Flight Museum, Kingsbury, TX**  
(~350 nm South)

<http://www.pioneerflightmuseum.org/>

Name: Old Kingsbury Aerodrome Airport

Identifier: 85TE

Elevation: 560

Location: N29° 38.038' W97° 48.685'

Runway: 14/32 Grass

Length: 2600 ft.

Caution: Towers on West side of field

Caution: Radio Controlled Model Aircraft Traffic

## CHAPTER 24 CONTACTS

President	Jim Putnam	Class I Director	405-359-9692	<a href="mailto:Jim.putnam@sbcglobal.net">Jim.putnam@sbcglobal.net</a>
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Technical Counselor	John Myers		405-793-7125	<a href="mailto:john@flyingmbranch.us">john@flyingmbranch.us</a>
Technical Counselor – New!	Dennis Fox		580-471-8332	<a href="mailto:dfox492000@yahoo.com">dfox492000@yahoo.com</a>
Flight Advisor	Larry Eversmeyer		405-261-0270	<a href="mailto:larry.eversmeyer@gmail.com">larry.eversmeyer@gmail.com</a>

**Disclaimer:**

The Oklahoma City, OK, EAA Chapter 24 is an official chapter of the Experimental Aircraft Association, Wittman Airfield, and Oshkosh, Wisconsin 54903-3086. Phone (414) 426-4800.

Chapter 24 was organized to promote aviation in the community, provide camaraderie, sharing of aeronautical knowledge and skills among those with interest in grassroots aviation and who share the objectives of the Experimental Aircraft Association.

Chapter membership is open to everyone, however our by-laws require that chapter members also be a member of the EAA national organization. Chapter dues are \$15.00 per year, payable on January 1.

Normally our meetings are held on the second Thursday of the month at 7:00 PM at Sundance Airport (KHSD) 1300N Sara Rd, Yukon, OK 73099. Time, date and place is subject to change. Please check your newsletter for current meeting information.

Newsletter Information: EAA Chapter 24 publishes the newsletter once a month. Its purpose is to inform. Members are encouraged to submit aviation and member related articles to the newsletter editor.

To submit articles, photos or other items for the newsletter as well as ideas, suggestions and corrections, contact: Chip Heinol at [piperflyer76@hotmail.com](mailto:piperflyer76@hotmail.com)

If you are receiving this newsletter and are not a Chapter 24 member but would like to become one, please call or write to Steve Schmitt and he will send you an application. If you are a current EAA National member then all the Chapter requires is your completed application and \$15.00. We could use you as a member but member or not you are still welcome at our meetings.

# Navigation Challenge!



 Chapter 24  
Oklahoma City, Ok

## Third Time was a Charm!

After two windy and stormy attempts, we were finally able to hold the **Navigation Challenge** on June 4th. The day started out foggy and hazy, but the sky eventually cleared up.

Pilots and navigators flew a 100 mile route. This years event also provided a poker run stop at Page Airport. David “the dealer” Ames provided poker cards to landing aircraft at Page. After leaving Page, pilots terminated their route at Sundance with a spot landing.

Everyone enjoyed a hamburger and hot dog lunch followed by an award presentation.

Thanks to all of the chapter members who volunteered their time to make this a fun and safe event.

### **The Challenge Winners:**

1st Place - John Meyers and Larry Hinton

2nd Place - Kent and Lana Officer

3rd Place- Dan Burdette and Janis Love

4th Place- Jim Putnam and Jim Geery

5th Place- Larry Eversmeyer and Pat Cohenour

**Best Time:** Dan Burdette and Janis Love

**Wrong Way Corrigan:** Richard Payton

### **Poker Winners:**

Kent Officer-Best Hand

Pat Cohenour-2nd Best Hand



# EAA Chapter 24

## RV Fly-in and ACE Camp Young Eagles

Saturday, June 25th was a hot day for OKC EAA Chapter 24! Aside from a heat index in the upper nineties, the chapter held two events on the same day at Sundance Airport. The RV Fly-in was from 8am to 4pm and chapter members flew 31 ACE Camp Young Eagles from 9am until noon.

Thirty-three aircraft signed in for the RV Fly-in. Twenty-four RV's and 9 non-RV aircraft. Larry Hinton cooked a delicious pancake and sausage breakfast for the early birds. Larry says he has as many hours frying as he does flying! Steve and Mary Ann Schmitt served up some "cool" hoagie sandwiches for lunch.

Drawings were held for 100 gallon of 100LL fuel provided by Sundance Airport and five EAA Flight Jackets provided by Steve Schmitt.

Despite the heat, it was a fun day enjoyed by all. Thanks to all of the volunteers who came together to make it happen.

