

EAA Chapter 442 March 2014 Propwash

EAA 442 Chapter Officers:

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Vice President: Mike Hathaway ~ n5186mike@yahoo.com ~ 423-765-9244 or 423-612-4004

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Treasurer: Barry Campbell ~ barrycampbell@eaa442.org ~ 423-754-2846

Secretary & NLE: Barry Campbell ~ barrycampbell@eaa442.org ~ 423-754-2846

Technical Counselor: Jim Summers ~ jameshsummers@hotmail.com ~ 423-246-7086

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The chapter webpage is: <http://www.eaa442.com/> or <http://www.eaa442.org>

Minutes of the November 2013 Chapter meeting:

Members present 10

Guests 2

Treasurer's Report:

Balance \$834.88 as of 03/25/14 in the checking account. Chk#1052 \$230.00 EAA Insurance, Chk#1053 \$100.00 EAA Dues, Interest \$.06, 02/02/14, Interest \$.03, 03/02/14. Motion to accept, Mike Hathaway, 2nd Bruce Campbell.

Chapter Membership Renewal Time:

Total paid members for 2014: 2 Jeff Hesoun, Sam Kite, Charles Boykin, Mike Caswell, John Coley, Ben Elkins, Donnie Mullins, RC Burchett, Barry Campbell, & Bruce Campbell.

Please see the membership form on the last page.

Membership in the chapter is on a calendar year basis and all members should renew their membership at the first of the year. Each chapter member must be a member of the national EAA as well. Annual dues are only \$20.00, and are tax deductible. You may renew your membership by completing the renewal form on our web site and sending the dues and your national EAA member number and expiration date to Barry Campbell, 167 Country Estates Drive, Rogersville, TN 37857 or you may pay Barry at the next chapter meeting.

Secretary's Report:

No Minutes read as this was the first meeting since November.

Young eagles Report:

Bruce stated that June 14th is International Young Eagles Day, a discussion ensued and it was determined that we will have our event on JUNE 7th. All members are asked to support this event. Bruce also proposed that we have a raffle for the Young Eagle's and each will be given a chance to be drawn at the end of the day. The winner will get a Young Eagles hat! Also, the price of the hats was discussed and will be \$10.00 instead of \$13.00.

Technical Counselors Report:

Jim Summers, None

Old Business:

Mike Caswell discussed the sale of shirts, and after a discussion, we decided not to do that.

New Business:

Donnie Mullins mentioned a fly-in at Taswell VA on August 16th. Barry mentioned that there is a good restaurant on the field at Greenville Municipal GMU.

Program:

None

A Message from the Editor

Hi **Everyone**,

If you are working on a project, doing repairs take a picture, and send me a short blurb about it. A lot of you take short trips out and about to small airstrips, to lunch stops, and airplane museums. We would like to hear about it and share your story. Also if you hear of an event that is not listed in the newsletter or our web site, please email me with the information. This is “**your**” chapter newsletter, and thanks to those who have sent me material. As you read the articles in this newsletter you can appreciate the articles by fellow members. It sure makes reading the newsletter a better experience for us all.

This Newsletter includes the following Articles:

From Emails: FAA Angle of attack, and some comments from the editor.
Al Campbell, 27 of the Most Eye-Popping Cargo Aircraft Ever Built.
Barry Campbell, recent RVN airport article in the Hawkins Today.

Calendar of Events

**EAA 442 Chapter meetings the next meeting Saturday April 26th 2014 at 12:30pm,
Lunch available at 12pm, RVN.
Fly in or drive in, be there or be -----.
Members are encouraged to bring a desert and a friend.**

From Emails:

FAAST Blast — Week of Feb 17 – Feb 23, 2014
Biweekly FAA Safety Briefing News Update

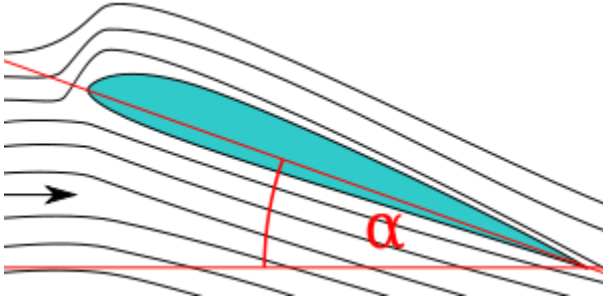
FAA Clears Path for Angle of Attack Indicator Installation

Earlier this month, the FAA took an important step to help improve GA safety by rolling out a more simplified set of design approval requirements for angle of attack (AOA) indicators. AOA devices can be added to small planes to supplement airspeed indicators and stall warning systems, alerting pilots of a low airspeed condition before a dangerous aerodynamic stall occurs, especially during takeoff and landing.

Under the new policy, manufacturers must build the AOA indicator system according to standards from the American Society for Testing and Materials (ASTM) and apply for FAA approval for the design via a letter certifying that the equipment meets ASTM standards and was produced under required quality systems. The FAA's Chicago Aircraft Certification Office will process all applications to ensure consistent interpretation of the policy.

The FAA believes this streamlined policy may serve as a prototype for production approval and installation of other add-on aircraft systems in the future. For more information as well as a link to the policy document, go to <http://go.usa.gov/BVZm>.

From Wikipedia. In [aerodynamics](#), angle of attack specifies the angle between the chord line of the wing of a [fixed-wing aircraft](#) and the vector representing the relative motion between the aircraft and the atmosphere. Since a wing can have twist, a chord line of the whole wing may not be definable, so an alternate reference line is simply defined. Often, the chord line of the [root of the wing](#) is chosen as the reference line. Another choice is to use a horizontal line on the fuselage as the reference line (and also as the longitudinal axis).^[2] Some authors^{[3][4]} do not use an arbitrary chord line, but use the [zero lift axis](#) instead — zero angle of attack corresponds to zero [coefficient of lift](#).



Aircraft Spruce list about 15 angle of attack indicators, ranging in price from \$450.00 for aircraft without flaps to \$1600.00, there are models for Light Sport, and most require an accessory kit that run approximately \$400.00.

Al Campbell, [27 of the Most Eye-Popping Cargo Aircraft Ever Built.](#)

My favorite:

Boeing 747 Large Cargo Freighter (LCF) or Dreamlifter - United States - wide-body cargo aircraft - 2006 - 4 x Pratt & Whitney 4062747 high-bypass turbofans - 180,530 kg - N/A - Used exclusively for transporting 787 aircraft parts to Boeing's assembly plants from suppliers around the world.



Taken at CHS.

Nasa moving some parts for the new space shuttle or something.

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Hangars, flags and fuel topic of meeting

By **Carolynn Poythress Elder**
HT Correspondent

ROGERSVILLE – The Hawkins County Sheriff's Department kicked off the airport committee meeting with a letter informing members that the department no longer needed its hangar.

Sheriff Ronnie Lawson explained since the county's drug enforcement branch no longer has a helicopter, they have no use for a hangar and want to turn it over to the county. He told members that the hangar is in good repair and useable, but in the event of its disassembly, any funds generated must be returned to the sheriff's drug fund portion of the budget. The committee agreed to take this to the full commission.

The Waldo and Elam hangars also were discussed during the meeting. The Waldo hangar lease was renewed for a year. Lessees of the Elam hangar requested a five year lease, saying they had been at the airport more than fifteen years and were willing to pay a \$20,000 lump sum up-front to guarantee the

lease. Additionally, they said they would pay all utilities and routine upkeep. The committee was in agreement to take this proposal to the full commission with Chairman Stacy Vaughan saying, "This will be the largest amount of money coming into the airport in one lump sum."

Airport manager Mark Finley was asked about the progress of the installation of the fuel system, approved almost two years ago, and the installation of a flag pole. Finley told the committee Jim Watkins and Ben Chambers were responsible for the installation and had not yet completed it. When asked by Chairman Vaughan for a timeframe for completion, Finley would not commit to one. He also said he did not know when the flag pole would be installed. Commissioner Syble Vaughan said, "These projects certainly are taking a long time."

Currently local pilots must travel to other airports to purchase fuel. In 2012 the Hawkins County Commission approved a card reader fuel system and received a grant for its installation.

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