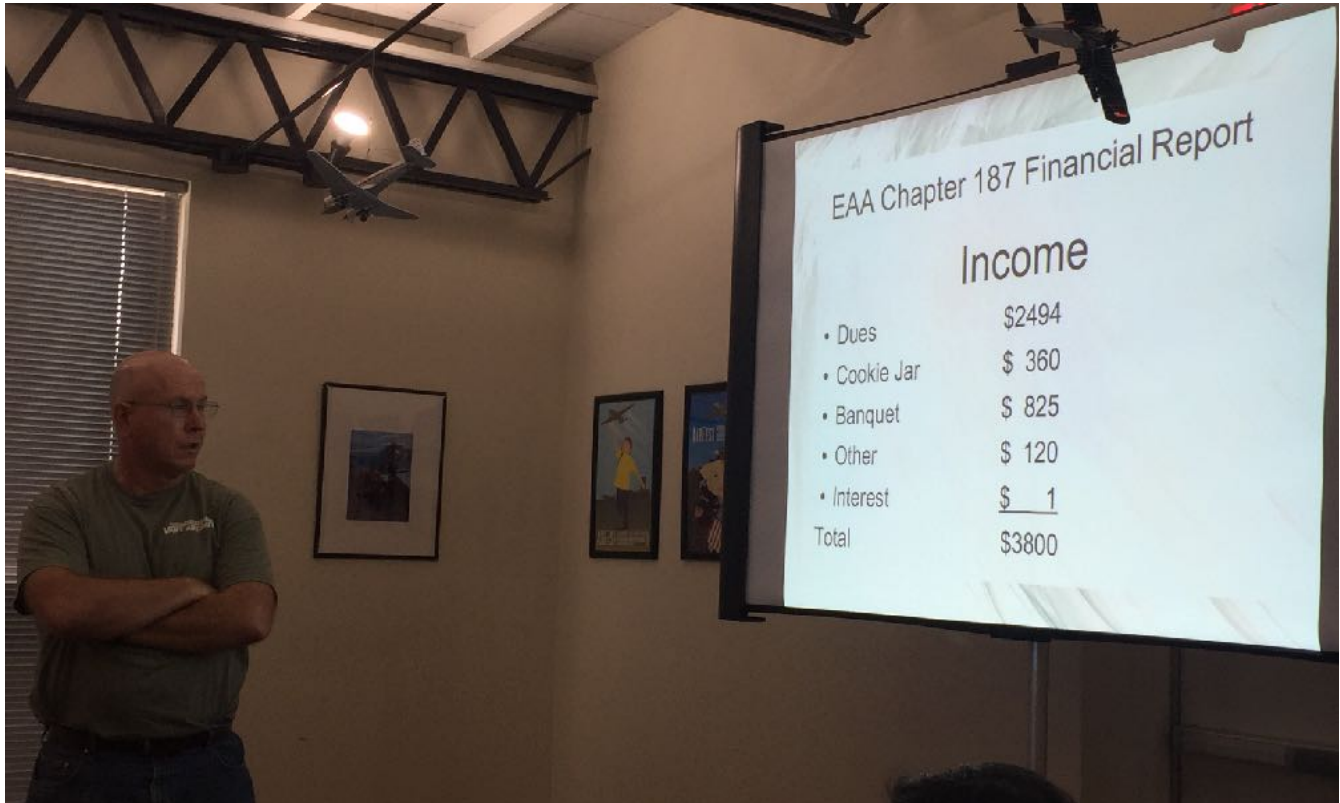

TAILWINDS

November Meeting Recap



The November chapter meeting was held on November 12. The meeting was the annual chapter business meeting.

Rob Reese presents the chapter financial report.

Before the business meeting, Deene Ogden and Randy Rossi provided an update on the Tango Flight project at East View High School in Georgetown. The students have finished the rudder and vertical stabilizer and are currently working on the horizontal stabilizer and tail cone. The fuselage and wing kits have been purchase but have not been delivered yet. The students are engaged and interested. Mr. Rossi provided data that AOPA estimates that there will be 80,000 unfilled aviation related jobs by 2040, so a program like Tango Flight is a great opportunity to interest teens in aviation careers. Tax deductible donations can be made to Tango Flight from the EAA Chapter 187 website.

The business meeting began with electing John “Beej” Nunn to another two year term on the board.

Next, Rob Reese provided the annual chapter financial report. For this fiscal year, the chapter had approximately \$3800 in income and approximately \$1870 in expenses. The chapter has total assets of \$28,357. Rob requested approval to purchase a griddle and associated equipment for hosting pancake breakfasts at a cost of approximately \$500. The chapter members approved the purchase.

Deene Ogden suggested that the chapter make a donation to both Tango Flight and Rockdale Tiger Flight. He and Gary Hamilton are taking suggestions for the appropriate donation amount.

The chapter moved to sell the tow-behind grill or donate it to the Boy Scouts. Chapter leadership is investigating possibilities.

Finally, chapter president, Haruko Reese, summarized program suggestions for next year. The suggestions included a presentation on things owners can do to maintain a production airplane, a presentation by the Tango Flight students, and a movie night.

December Chapter Meeting

The December meeting will begin at 10 AM on December 10. The meeting will be a hangar hop and picnic at Cross Country Estates. We will view a variety of planes and the Tango Flight class will be on hand to report on the progress they have made this semester. Lunch will be provided by the Boy Scouts at a cost of \$10. The menu includes chicken and beef fajitas, gumbo, rice, beans, sausage, traditional dutch oven cobblers and drinks.

The Boy Scouts would like a head count for lunch, so please RSVP to Randy Rossi at rarossy@swbell.net.

Upcoming Events

Rockdale Tiger Flight: Help us Build an RV-6!

Rockdale Tiger Flight is a group organized by several EAA 187 members in Rockdale, TX. The group is focused on teaching mid- and high-schoolers airplane building skills. Our current projects are an RV-6 and a Zenith CH-601. We get together **every Saturday at 10 AM**, and focus on building those airplanes. We also offer **weekly Young Eagles rides** to kids, subject to weather and aircraft availability.

This weekly event is free to participants, and we are looking for help! Both kids and adults are welcome! For more information, log on to rockdaletigerflight.org.



Rewriting Aviation Weather

Courtesy of Pete Christensen, we are featuring an article from ATC controller, Rose Marie Kern. Republished with permission.

For those of you with more than a passing interest in the weather side of aviation, I thought I would point out that the National Weather Service has just updated the AC 00-45 (Aviation Weather Service order) to version H. This version is significantly different than its predecessor. The NWS has been rampantly making changes as instrumentation and computer technologies leap forward. They have created a plethora of new weather “products” – charts and graphics relevant to aviation.

The document also indicates that many older type charts will be phased out as the newer ones come online. For instance, the traditional Weather Depiction Chart and Constant Pressure Analysis charts are being phased out and replaced with the CVA (Ceiling and Visibility Analysis) and the Upper Air Constant Pressure Level Forecasts

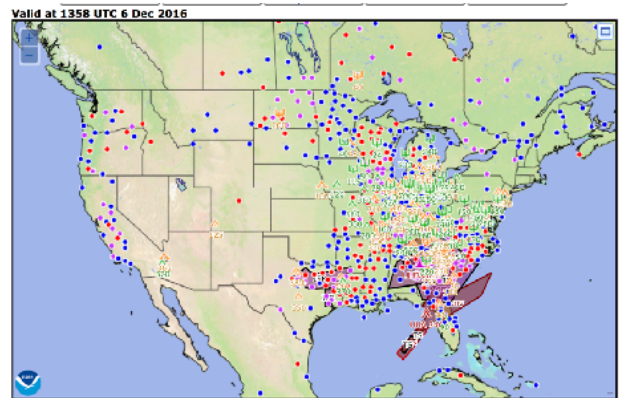
Textual information for AIRMETS and Area Forecasts is being replaced by graphical AIRMETS and Forecasts. The use of graphics has been determined to be more useful to pilots and all the weather products are moving in that direction.

Some of the more interesting highlights include whole new sections devoted to Space Weather analysis and specialized Helicopter weather charts. Extensive revision has been done to sections devoted to Alaska and Hawaii. The order also indicates that a reorganization, and in some cases, re-naming of departments has taken place.

The Radar Section has been gutted and re-written with many new images and descriptions of how radar is depicted and interpreted. It also mentions upcoming radar products still in development. Freezing level graphics are vastly improved and graphical images have been added to show winds aloft information. Radiosonde data and analysis models include SKEW-T diagrams for forecast modeling.

In the past there were many types of textual weather overviews that are now replaced by the Meteorological Impact Statement. The various surface analysis charts are now combined into a Unified Surface Analysis Chart that spans the globe. This model will make it easier to predict major storm movements and hurricanes.

Pilots will still see any PIREPS entered into the system by ATC or Flight Service, but the database will also show AIREPs. An AIREP is a PIREP in ICAO format that has been automatically entered by equipment onboard an aircraft. The information gives the lat/long of the aircraft and its flight level



along with temperature, wind, and turbulence data. Instead of **UA** you will see **ARP** and **UUA** (urgent reports) will be encoded as **ARS**.

The Space Weather Prediction Center will be analyzing weather and processes occurring in the Earth's magnetosphere, ionosphere, and thermosphere. Solar flares, geomagnetic storms and radiation levels can affect GPS navigation and communications. Reports and advisories will describe current and expected activity and possible impacts on the Earth's environment.

The Helicopter Emergency Medical Services (HEMS) tool will display weather conditions for short-distance and low-altitude flights. The tool uses radar, wind and satellite data in such a way as to narrow the forecasts to smaller areas

Finally, the NWS has now joined all the other aviation weather briefing sites by allowing a pilot to overlay his flight path on these weather charts using the Flight Path Tool.

Try out the NWS's new graphical weather charts on their website: www.aviationweather.gov.

You can find **AC 00-45H** in PDF format here: http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgAdvisoryCircular.nsf/0/571BA1B422ABDF6D8625806D006CCC8E?OpenDocument&Highlight=ac00-45h

Rose Marie Kern has worked in ATC since 1983. Questions or comments may be sent to author@rosemariekern.com. Note: If you enjoy these posts, Ms. Kern is releasing a book, Air to Ground, this month containing many of her previous articles. Please visit her website at www.rosemariekern.com for more information.

Chapter Officers

President - Haruko Reese
Vice President - Pete Christensen
Secretary - Valerie Barker
Treasurer - Rob Reese

Young Eagles Coordinators

Jimmy Cox
Fi Dot Fomichev

Chapter Flight Advisor

Deene Ogden

Chapter Technology Counselors

Seth Hancock
William Bennett
Deene Ogden

Webmaster

Fedor "Fidot" Fomichev

Newsletter

Valerie Barker

Send submissions to:
valeriebarker@mac.com

Tool Chest

John Nunn
beej@65degrees.net

Chapter Board Members

John Nunn (2015-2016)
Deene Ogden (2016-2017)

Meetings

Georgetown Municipal Airport (KGTU)
Terminal
2nd Saturday each month at 10 AM

eaa187.org