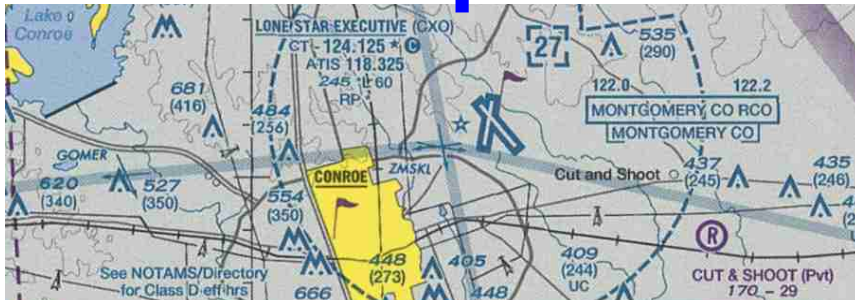


EAA Chapter 302



Volume 36-Issue 6
June, 2014

Newsletter

Meeting Notice

Saturday, June 14 6PM-9PM

“Date Night”

We do two events a year in an effort to include significant others at Chapter 302—Christmas Party & Date Night.

We'll have a mixer & open bar from 6-7, buffet dinner from 7-8, a short program of interest to the ladies, & adjourn at 9pm. Cost is \$20 per person by reservation--Contact Don Colchin 713.253.8989 or dscolchin@sbcglobal.net. Come join us—we have a lot of fun!

This Month's Program

Vickie Croston, daughter of Rose Monroe (Rosie the Riveter) will update us on Women's roles in WWII, as well as the Willow Run Bomber Plant Project. \$2/pp of your dinner will go to her project.



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MAY 10, 2014 MEETING MINUTES

Meeting CTO by Pres. Don Colchin. 72 members and visitors in attendance. Sam Ward led the Pledge.

Safety Minute: Irvine described a double CRS incident hand propping his RV-8 after running down his battery. He forgot not to use both magnetos when hand propping due to the right magneto firing before TDC resulting in a backward turning prop. No damage was done but served as a reminder to only turn on the magneto with the impulse coupler (usually the left) and isolate the other during starting. Thanks for the reminder.

Guests introduced:

- Stacy Fennell, PPL, was flying a Cessna 172 but traded up to a RV-9! Good move!
- Wayne and Symanthe Rainsford, student pilots, bought a C182 and working on ratings.
- George Chapman, retired UAL pilot investigating a plane purchase.
- Bill Johnson and N. Jean Robinson, Chapter 12 members building Glasair Sportsman.

New Members:

- Allen Arrow, selling PA-22 parts. Recently moved from MO. Is rebuilding a Piper PA-15 Vagabond. Looking for A&P/IA to inspect build. Also looking for Flybaby plans.
- Cmdr. Robert Dean, retired Naval aviator and CAP pilot interested in learning about E-AB aircraft.
- Allen Gillis, Baytown transferee. Has Cub and Comanche based at 9X1.
- Stephen Dyczko, based at CXO and EFD
- Neil Fogle, long time EAA member, current pilot, residing in Conroe.
- Jay Strepman, Avionics tech at UAL, building RV-9 in the Woodlands.

This month in Aviation History: 73 years ago this month the P-47 Thunderbolt (the Jug) with its R2800 engine was the most powerful and prolific fighter produced in WWII.

Secretary's Report: Minutes of April meeting accepted as posted in the May newsletter.

Treasurer's Report: Don Guice reports a beginning balance of \$7036, income of \$177, expenses of \$485, resulting in a balance of \$6728.40. Don asked for membership pre-approval to pay Date Night expenses to Black Walnut when determined. These costs will be offset by ticket sales to the event.

Young Eagles Report: April event flew 34 Eagles, 18 Eagles in May thanks to the volunteers.

Old Business: The response to our solicitation of ideas to add member value to the Chapter resulted in the suggestion that we have occasional educational presentations on various homebuilding techniques, i.e., how to service brakes or change a tire.

New Business: Date Night June 14, 6-9PM at the Black Walnut restaurant at CXO.

Project Reports:

- Denny Irvine requests all members working on projects to email him pictures (large files please) that he can include in next month's meeting program. It would be useful to see pictures of your project while giving us your project update report.
- Gerry Farek has moved his Waix project to a bigger shop. Should speed up the build!
- Kevin Southwick is accumulating parts for his Tailwind project. Wing struts to be built next.
- Mike Brown reports progress restoring his Palamino aircraft back to airworthy condition. The plane has been seen moving (not flying) under its own power recently!
- Sam Ward reports the hole in his cowling turned out not to be a bullet hole, but rather a small piece of filler that came off the cowl. Sam's days of being shot at must be over!
- Jim Archer is rebuilding a O-320 for installation in his V-Star. O-290 parts for sale.
- John Park is about ready to install the engine on a Sidewinder. Needs engine hoist.

Program: --A video of Our President's first flight of his totally reconfigured Skyote biplane was presented. Don has a smile analogous to an RV grin!

--The EAA Chapter video addressed the new EAA website and Corvair engine rebuilding.

50/50 Drawing: \$88 won by Neil Fogle. If these drawings get bigger, we'll have to lie to the IRS.

\$10 Black Walnut Gift Card Drawing: Tom Wilson was wearing his nametag and won the drawing.

Meeting Adjournment: The meeting was reluctantly adjourned at 1135.

302 Picture Day

Despite a low overcast day, we had 25 aircraft. Next time we do it, make sure you and your airplane are in the picture.



View from above



Good viewing opportunity



(above) each pilot

(below) panorama



(above) expanded group



May 3rd Young Eagles Soar



Registration

The second YE event of the year enjoyed perfect weather. 302 members flew 14 cadets and 5 adults from the Magnolia High School ROTC program, using eight member aircraft and a score of ground volunteers. Once again, Joe Welge came in with hot dogs and chips, courtesy of Culver's Restaurants, for all the kids and volunteers. Chuck and his crew really put on a well-coordinated event.



Don Brewer doing some instruction



The Flightline



Steve Lutte & Copilot



Video Presentations



Ed O'Quinn and cadet



Some of the cadets

and hydraulic fracturing are opening up previously untapped petroleum reserves around the globe. Tapping those reserves will be China. But then, East Africa is showing some promise.

...that U.S. consumers pay for the U.S. production boom has meant West Texas Intermediate crude is backing up at Texas refineries, and there's...
 ...in front of multibillion-dollar demand offers. Demand for oil gas companies' enormous operations, but only if Congress allows American crude oil and natural gas to be sold freely on the international market, and...
 ...the slogan, though, has such nationalistic appeal that Con-

BUSINESS

Q&A
 A Department of Interior wants technology and regulations in sync
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 Section D

Houston Chronicle | Sunday, May 11, 2014 | HoustonChronicle.com and Chron.com

AUTOMAKERS Exhaust can give mileage a boost

By David Hendricks

When the U.S. government two years ago announced dramatically higher miles-per-gallon standards for cars, automakers around the world already had a running start on the research necessary to achieve the fuel-efficiency goals.

Starting in 2006, auto manufacturers and top suppliers had formed a coalition, called HEAVY, to hire a research institution that could produce a gasoline engine to help them meet expected higher mileage standards. HEAVY stands for High-Efficiency Diesel Gasoline Engine.

The HEAVY coalition chose Dan Antonio's Southwest Research Institute, a non-profit contract research organization.

Last month, the institute took a demonstration of its latest version of its beta gasoline-burning "Dedicated-Exhaust Gas Recirculation" engine.

Scientists believe their D-EGR engine is the most practical solution for automakers before the new standards go into effect in 2016.

It's the one most ready for mass production, they say, with the simplest modification of current gasoline-burning engines.

D-EGR "is the most efficient production engine continues on D6

Conroe's regional airport ascending



A new multimillion-dollar facility at Lone Star Executive Airport is meant to lure more corporate jet clients to Conroe.

As suburban area north of Houston booms, Lone Star is expanding with an eye on international travel

By Erin Mulvaney

CONROE — From a bird's-eye view, Lone Star Executive Airport has not changed much since it was built to serve the Navy during World War II.

On the ground, however, the buzz of construction equipment and new, sleek facilities suggest the regional airport in Conroe is about to take off in a very modern direction.

The two-runway airport, just off Interstate 45 about 25 miles from Houston International Airport, opened for civilian use in 1946 and since has served a variety of users, from recreational fliers to emergency helicopters to an increasing number of corporate jets, particularly those serving the oil and gas business.

Over the last two decades, it has more than doubled the number of aircraft that use it and the hangar space to store them.

With an air traffic control tower in place, runway construction underway and new business facilities available for corporate clients, Lone Star Executive has even bigger plans to take advantage of the booming energy business and the rapid growth in Houston's northern region.

"There is a need for more air services to meet the growing demand on the north side of Houston," aviation director Scott Smith said.

Lone Star and the nine other regional airports in the Houston area relieve pressure on Bush Intercontinental and Hobby airports, while helping reduce delays there, the Houston-Galveston Area Council has said.

While surviving threats to its air traffic control tower sparked by federal budget cuts, the Conroe airport also appears to have bounced back from the recession.

Last year, Lone Star sold 1.2 million gallons of fuel and is on track to sell more this year. That compares with 1.1 million gallons in 2006 and a low of 0.7 million gallons in 2009.

Hangar space increased to 75,000 square feet this year from 170,000 in 1996, Smith said and \$4 million had been invested in the airport continues on D2



Scott Smith, aviation director, says, "There is a need for more air services to meet the growing demand on the north side of Houston."

REAL ESTATE Apartment developer is going big

Apartment developer Morgan Group is backing the trend "small is better" in use in new multifamily developments in west Houston.

The Houston-based company is developing an eight-story luxury apartment building with 140 units averaging 200 square feet in size. The largest will be around 2,000 square feet.

Morgan Group president, Alan Patton, said baby boomers are getting to the age where they're considering housing alternatives.

In recent years, that means moving out of suburban homes and into apartments in more urban settings. Yet they want the same amount of room — or close to it — that they had in their homes.

"Nobody really met that demand yet," Patton said.

Over the last several years, the craze has been to develop smaller units with a...
 ...Survivor continues on D7



Alan Patton, Morgan Group president, says baby boomers are getting to the age where they're considering housing alternatives.

Conroe Hits the Bigtime!

If you don't subscribe to the Houston Chronicle, you may have missed this article. You can find it in the Sunday, May 11 edition online, or read it here. The writer points out the growth of CXO, and quotes Airport Manager Scott Smith. Yearly fuel sales have just passed 1.2 million gallons, and investment in hangars came to \$42 million. Scott emphasized the runway extension and the pursuit

D2 | Sunday, May 11, 2014 | Houston Chronicle | HoustonChronicle.com and Chron.com



Brent Crabe of The Woodlands polishes his homemade aircraft in his hangar at Lone Star Executive Airport in Conroe.

Airport wants a customs facility

Airport from page D1

In capital projects and operating costs at the airport since 2007. Citing major projects such as the \$60 million terminal expansion, the airport has spent more than \$60 million on capital projects and operating costs since 2007. Citing major projects such as the \$60 million terminal expansion, the airport has spent more than \$60 million on capital projects and operating costs since 2007.

The Houston-Galveston Area Council estimates that economic impact will increase to about \$50 million by 2030.

Runway extended

To meet anticipated demand, Smith said, a new runway is being built and the runway is being extended to 7,500 feet, a \$77-million expansion project set to be completed by November.

The extension will put the runway on par with those at airports like Sugar Land Regional, Hooks in Tomball and even Hobby.

"A longer runway can carry more passengers or fuel to get to a destination," Smith said. "I'll put it out there where we should be to serve the market we have."

The airport's new project is to bring a U.S. Customs and Border Protection facility for international arrivals. The proposal would staff a customs facility five days a week, with officers on call over weekends.

Smith said more than 165 arrivals last year had to clear customs elsewhere. He said a facility at Lone Star could ease the international travel traffic through Bush Intercontinental and attract more international flights by energy businesses from Canada, Mexico and Brazil.

That proposal is under consideration by Montgomery County, which would have to approve the federal application.

Variety of services

On a recent visit to the airport, Smith pointed to the variety of services now available at Lone Star, from medical helicopters and big corporate jets to a small aircraft owned by a woman who had just recently learned to fly.

Smith, who has a pilot's license he hasn't used since 2006, said he has enjoyed watching the airport grow since he took the job about eight years ago.

One side of the airport represents what Smith calls "grass-roots aviation" with recreational pilots who build their own planes and fly for sport.

"We fly to lunch," Crabe said, a retired corporate pilot for an oil company, leases hangar space at Lone Star for his candy-red plane and his motorcycle. He said a group of roughly 100 other pilots meet regularly over coffee and doughnuts. How much they fly, Crabe said, depends on the weather.

"We fly to lunch," Crabe said. "That's what we build our airplanes for. We do it on trips now and then, but usually what we do is fly to lunch. We go pretty much anywhere where there's a restaurant near the airport."

Corporate clientele

On the other side of the airport, corporate jet clientele use a new multimillion-dollar facility, with large conference rooms and a restaurant on site to get between meetings and business trips.

A \$60 million, three-story Galaxy Fleet-Base Operator building, owned by Black Forest Ventures, was completed last year. It is meant to hangar space for corporate jets. It features lobby areas, 15,000 square feet of office space and conference rooms with leather-lacked chairs and huge projection screens.

A new Black Walnut Cafe overlooking the runway offers contemporary



Black Walnut Cafe has opened a location at Lone Star Executive Airport. Its owners say they expanded to cater to energy companies in the Conroe area.

Tomlinson: More than energy independence to gain

...need the most new energy. Pennsylvania-based...
 ...Fewer

of a Customs Office on the field. There are comments from General Aviation FBO, Galaxy, and the Black Walnut Cafe, but the majority of the article went to quote 302 member Brent Crabe, whose picture is 40 times the size of Scott's. Highlighted was the size of the experimental group at the airport, who build aircraft and fly to various destinations.



Steak Night Celebrates Memorial Day Weekend



Perfect Memorial Day weather

While technically not an EAA event, the return of “Steak Night” was celebrated by 28 airport residents. This is a spur-of-the-moment event where anyone within earshot just decide the weather is too good to waste. There were three grills operating, and the Model T even arrived with the IceCream maker—there was Chocolate for dessert! We even had 2 aircraft fly in (in formation) to attend.

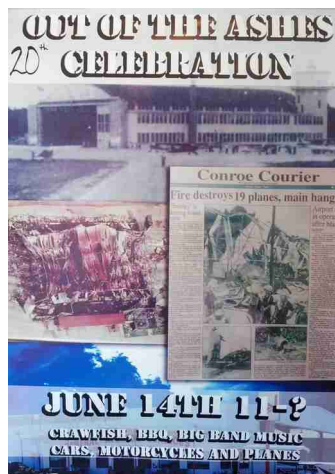
Thanks to Joe Waltz and Jim Crawford for hosting it with their hangar.



The Ice Cream Machine was there



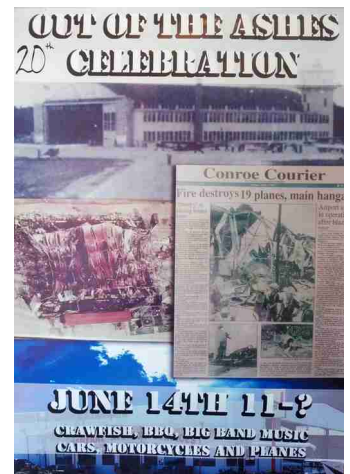
28 people competed for grill space



Save the Date

Out of the Ashes Party
General Aviation
June 14—11am to ?
Cars, Warbirds, Swing Band
& lunch

Make a day of it—then enjoy the evening at “Date Night”.



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Calendar of Events

Call before you go

- 1st Saturday, Fly-in Lunch, Leesville, LA (L39)
EAA Chapter 1356
- 1st Saturday EAA Chapter 614 Pancake
Breakfast, 7:30-10:30am, Pineville, La, Pineville
Municipal Airport (2L0)
- 3rd Saturday, Fish-fry Lunch, Discount Fuel,
Jasper TX (KJAS)
- 3rd Saturday, Lufkin, TX, The Cook's Choice
Fly-in, Angelina County, (KLFK) April, June,
August, October
- 4th Saturday, Fly-in Breakfast, 8-11am., Tyler,
TX, Pounds Field (KTYR)
- 4th Saturday Fly-in Lunch 11-2, DeRidder, La.
Beauregard Regional Airport (KDRI)

RV-7 wings for sale. Finished quick build RV-7A wings in the Dallas area. Includes Capacitive fuel gauge and Aircraft Extra's low fuel warning system. For more info, Contact Eddie Eiland 713-202-1229 or eddie@eilands.net **Serious inquiries only, please.**

I would like to fly to Oshkosh and work as a volunteer at the show and stay in the "dorm." I live in the Houston, TX area and will share fuel costs. I was a pilot 45 years ago and had 160 or so hours. I prefer flying in a RV 4, 6, 7, 8, or 9 because it is an aircraft that I am interested in. I weigh 145 lbs. with clothes. Please let me know what the ad costs. My contact information is jhbanks05@comcast.net, Harrison Banks, 5005 Braeburn, Bellaire, TX 77401.

Looking for set of Bowers FlyBaby plans & the EAA publication Wood Aircraft Building Techniques 1971 edition that features the FlyBaby. Would be interested in an abandoned Fly Baby project. Alan Arrow alanc4184h@comcast.net or 816-390-3447.

Marvel Shebler Carburetor for my Corvair Engine project. It is a Marvel Shebler MA3-SPA 10-4894. Please contact me, Vic Delgado @ by email vicdelgado9@yahoo.com or phone 281-799-1727.

Machine Shop Access: Tom Kreiner, EAA 302 member, is offering access to his machine shop for discount rates and rebates to our section. Contact @ 832-326-2970 or tkreiner@gmail.com

Engine from Piper Archer. Solid crank--fixed pitch only. Logbooks, Marvel Carb, no starter. Engine used for fitting cowling on RV-7, not run. Approx 1400 hrs since last overhaul. Cylinders ECI with about 200 hrs on them. Also, Sensinich fixed pitch prop with spacer pitched for RV speeds, Van's recommended size. Never spun. Probably nothing preventing use to next TBO after inspection. Engine \$7500 Prop \$1500 Contact Coley Wood, 832-875-7090, Lake Water Wheel XS99, 362 Bonanza Dr, next to Larry Elliott's hangar.

Cobra low pressure regulators aircraft welding system, cutting torch, various tips, cart with 2 large bottles. \$400 obo. Contact Don Brewer cardonb@consolidated.net 936-273-4416

Disclaimer: Chapter 302 assumes no responsibility or risk for use of products occasionally listed for sale. This is a service to members and does not constitute an endorsement of such products by the Chapter, its members, or the EAA. All building tips and suggestions put forth in the newsletter or at chapter meetings are informational only. The Chapter assumes no liability or responsibility for the accuracy of such material. Anyone applying such information to their flying or project does so at their own volition and risk.