

OCTOBER 2017

News and information for Chapter 690 of the EAA
Experimental Aircraft Association, Lawrenceville, GA - LZU



President

Randy Epstein
president@eaa690.net

Vice President

Brian Michael
vp@eaa690.net

Secretary

Rich Hopkins
secreary@eaa690.net

Treasurer

Jeanne Ferguson
treasurer@eaa690.net

Program Chair

Kathi Parks
kp9611@aol.com

Publicity

Joel Levine
jlevine@bellsouth.net

Chairman BOD

Brian Michael
vp@eaa690.net

Vice Chairman BOD

John Post
post@eaa690.net

Chairman of Trustees

Steve Ashby
sashby@ashbyfamilylaw.com

The Presidents Pitch

By Randy Epstein



Election Time

Chapter elections will take place at the November Pancake Breakfast to be held on Saturday November 4th. We will be electing the four executive officers to two year terms and two members of the trustees to new three year terms. The four executive officer positions are President, Vice-President, Treasurer and Secretary. The nominating committee has put together a slate of candidates. These do not have to be the only candidates on the ballot. If you feel led to want to run for one of these positions please let us know and we will place you on the ballot for the position. Following are the nominees for the 2018 election:

Officers

President	Billy Stewart
Vice-President	Brian Michael
Treasurer	Randy Epstein
Secretary	Rich Hopkins

Trustees – 2 slots to fill

Mark Sirull	John Bongart	Bob Bible
John Morrow	Bill Miller	Charles Harker

We thank all of these candidates for their willingness to serve in leadership positions in the chapter. To vote in this election you are required to be a current paid member of the chapter. We will hand ballots out at the money table as you come in for breakfast and have a ballot box for you to deposit your completed ballot prior to the beginning of the program. We will count the ballots and announce the results at the end of the program.

Pancake Breakfast Fly-In

Next event Nov. 4th 2017
Breakfast begins @ 8:00AM

Chapter Business Meeting

CANCELLED

See pg. 3 for details

Young Eagles

Next event Nov. 18th 2017
8:30 PM—12:00 Noon

It is also time to select a member of the year for the chapter. The recipients for the last three years form the committee but we also want the membership to have input. If you have a candidate for the award for 2017, please send us an email to moty@eaa690.net with your choice.

We will celebrate the Christmas season and another year in the books for the chapter on Friday December 8th. Please put the date on your calendar and plan on joining us that evening. We will provide more details next month.



UPCOMING AVIATION EVENTS



Chapter Events

SUPPORT YOUR CHAPTER, JOIN IN FOR A MEAL, MEETING, YOUNG EAGLES, YOUTH BUILDING PROJECT OR JUST TO HANG OUT. WE ARE STRONGER WHEN YOU PARTICIPATE!



Pancake Breakfast & Program

The first Saturday of every Month

Next event **Nov. 4th 2017**

Serving 8:00-10:00 AM (see pg. 1 & 3)

Chapter Business Meeting & Program

Cancelled for November

(see pg. 3 for details)



GARS Meeting (Gwinnett Amateur Radio Society)

The second & third Tuesday each Month

Next events **Nov. 14th & 21st 2017**

7:00 PM—9:30 PM

Young Eagles

The third Saturday of every Month

Next event **Nov. 18th 2017**

8:30 PM—12:00 Noon



Chapter Business Meeting for November is Cancelled

NOTICE – NOVEMBER BUSINESS MEETING CANCELLED

With the loss of Chapter 690 member Tess Huff, wife of Duane Huff, the Chapter's regular November business meeting normally scheduled for Friday, November 11th has been cancelled to allow folks to pay their respects. The schedule for those wishing to attend is as follows:

- Visitation will be held on Friday, November 10 at Tim Stewart Funeral Home, Lawrenceville from 6:00-8:00 p.m.
- A celebration of life service will be held Saturday, November 11 at 3:00 p.m. at the First United Methodist Church of Lawrenceville. The family will receive friends in the Fellowship Hall from 1:30-2:30 p.m. and a reception will be held after the service.

Chapter Elections - Pancake Breakfast Nov. 4th, 2017

Chapter Elections will be held during the Pancake Breakfast Nov. 4th. See page 1 for details. See you there!

Pancake Breakfast Nov. 4th, 2017

Guest Speaker Mr. Steven Agudelo

The chapters own Steven Agudelo will be our guest speaker at the next pancake breakfast. As you may know Steven has recently been accepted into the Naval Pilot Program to become a Naval Aviator.

Steven Agudelo is a senior at Georgia State University majoring in Physics with a concentration in Astronomy. He is a midshipman at the Atlanta Region Naval Reserve Officer Training Program where he has been selected to commission as a student Naval Aviator. He is also a student pilot with Aeroventures, a new youth mentor and former builder for the building program and a co-founder for a non-profit program called 20for20.

Lets make sure all of our youth are in attendance, this presentation should be interesting and valuable for them as well.

ANN's Daily Aero-Term (10.17.17)

[Center Of Gravity Limits](#)

The specified forward and aft points within which the CG must be located during flight. These limits are indicated on pertinent airplane specifications.

Commercial Airliner Hits Drone In Canada Aircraft Suffered Only Minor Damage, Landed Safely

Reprinted from "AERO News Network, Propwash" 10-17-17

On October 12, 2017, a Skyjet flight was reportedly struck by a drone while inbound to Jean Lesage International Airport in Québec City. This is the first time a drone has hit a commercial aircraft in Canada, according to a statement from the Honorable Marc Garneau, Canada's Minister of Transport.

The aircraft was only slightly damaged and landed safely, according to the Canadian government.

"Transport Canada is monitoring the situation and is in contact with its transportation partners including Skyjet, the Jean Lesage International Airport and NAV CANADA," said Minister Garneau (pictured). "My department is in contact with the Service de police de la Ville de Québec and we will cooperate with the Transportation Safety Board should they decide to investigate."

"Although the vast majority of drone operators fly responsibly, it was our concern for incidents like this that prompted me to take action and issue interim safety measures restricting where recreational drones could be flown. I would like to remind drone operators that endangering the safety of an aircraft is extremely dangerous and a serious offence. Anyone who violates the regulations could be subject to fines of up to \$25,000 and/or prison. This applies to drones of any size, used for any purpose. All airports, helipads and seaplane bases are "No Drone Zones" if you do not have permission from Transport Canada. For 2017, to date 1,596 drone incidents have been reported to the department. Of these, 131 are deemed to have been of aviation safety concern."

"I would like to remind the public that all drone users are required to abide by the Canadian Aviation Regulations, including the Interim Order Respecting the use of Model Aircraft."

Transport Canada encourages all drone users to learn about the rules and to consult the wide variety of educational tools available on its website.

(Source: Government of Canada news release)

E-AB Accident Numbers Round-Off Fiscal Year Well Under FAA Limit Downward Trend In The Category Tracks Overall GA Accident Rate

Reprinted from "AERO News Network, Propwash" 10-17-17

In September, EAA completed its annual tracking of experimental category fatal accidents. Experimental aircraft were involved in 45 fatal accidents during fiscal year 2017, with amateur-built aircraft accounting for roughly two-thirds of those accidents.

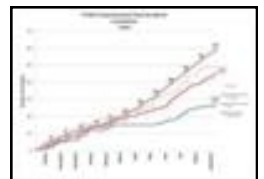
As in previous years, the FAA established a "not-to-exceed" number based on a one percent reduction in accidents from the previous three-year average. The number of fatal accidents for fiscal year 2017 came in well below the not to exceed number of 59.

Additionally, experimental fatal accidents saw a decrease of eight percent over fiscal year 2016 data.

The numbers follow a downward trend of fatal accidents in both experimental aircraft and general aviation as a whole.

Despite the promising numbers, EAA is committed to expanding its role in general aviation safety with the goal of seeing even larger decreases in fatal accidents. For more information on the 2017 accident numbers and EAA's safety initiatives, see the advocacy section in the November issue of Sport Aviation.

(Graphic provided with EAA news release)



Chapter Activity

Business Meeting Speaker Oct. 13th Tom Hilborn

Mary and I took a trip to the U.K. in August and I had the pleasure of sharing some pictures and our experiences with the folks in attendance for the recent chapter business meeting. I only saw a handful of folks falling asleep to I guess it wasn't too long or boring.

Thanks to Kathi Parks for taking the chance and letting me share our trip with the group.



Drone Researchers Unintentionally Figured Out Why Albatross Wings are Black

Article by Marco Margaritoff, Oct. 11, 2017

Biomimetic drones take some of their inspiration from biological beings such as birds. We've reported on quite a few of these UAVs before, and the idea makes a lot of sense. If you're developing a machine with the aims of making it efficient and sophisticated, you'd be wise to look at the avian counterpart and compare notes with nature's already perfected versions as a starting point.

Abdessattar Abdelkefi and his team of researchers at New Mexico State University not only learned something about drones by analyzing bird flight, but something about birds themselves, reports New Scientist. Namely, that the color of an albatross's wings doesn't entirely result from nature attempting to camouflage the bird, but from an evolutionary advantage regarding flight itself.

According to New Scientist, Abdelkefi and his team were looking toward birds in order to gain inspiration and borrow some of nature's own ideas regarding more efficient flight. It was fortuitous of them to encounter the theory that albatross wings, which are black on top, provide the bird with an extra tool to fly. One need only look at the shape of an airplane's wings to better understand this idea.

The wing of your standard airplane is thicker on top than it is on the bottom. This causes air-pressure to generate extra lift, so that the plane can more easily take off. It's brilliantly simple, and the albatross wing is similarly designed, we now know.

The black tops of an albatross wing absorb sunlight, making them around 10 degrees Celsius warmer than their underside, according to the study, which was published in the Journal of Thermal Biology. Hence, air pressure on top is lower, generating extra lift from below - just like an airplane, albeit for slightly different reasons.

According to New Scientist, people such as Graham Martin at the University of Birmingham had previously thought that this coloration was rooted in an evolutionary benefit of camouflage against other predators. While that may still be the case, it's clear that the extra lift support is at least one more reason for the bird's design. Svana Rogalla at the University of Ghent in Belgium claims thermography has clearly proven the upper wings' hotter temperature in relation to the undersides.



Chapter Activity

EAA 690 Membership Report

October 2017

By Jeanne Ferguson

We welcomed the following new members in October:

Nick Kolar, William Lewis, Frode Sletten and John Tefft

Hope to see each of you often!!!!

As of October 29, we have the following numbers:

Individual Memberships – 121

Family Memberships – 65, which lists 147 family members

Youth Memberships – 2 paid, 31 free

Total: 301 Congratulations to all members!!!

NOTE: Youth Membership reduced from 48 to 31, which explains the reduction in total membership

Effective October 1, new members and reactivating members who pay full membership are paid through the end of 2018. Payment can be made at mkt.com/ea690. Chapter membership is \$30 a year for individual, \$40 for family and \$10 for students over the age of 18. Students under 19 are free.

Membership applications are available on ea690.org for new and reactivating members, and applications are available in the box inside the hangar door. We encourage membership in EAA National Organization, dues are \$40 a year for individual memberships and \$50 a year for family memberships.

If you have any questions, just send e-mail to info@ea690.org.

EAA 690 Young Eagles Report

October 2017

By Duane Huff

Young Eagle Coordinator

An absolutely beautiful day for flying Young Eagles. Cool clear skies where you could see forever, including the mountains of north Georgia, stone Mountain and downtown Atlanta.

Twelve pilots flew thirty seven Young Eagles. They were;

Brian Michael 3 YE, 1 flight, John Morgan 3 YE, 3 flights, Chuck Roberts 7 YE, 3 flights, Duane Huff 1 YE, 1flight, John Post 2 YE, 1 flight, Jerry Fisher 2 YE, 2 flights, Bill Bell 3 YE, 1 flight, David Lincoln 4 YE, 2 flights, Mark Sirull 2 YE, 2 flights, Les Williford 3 YE, 1 flight, Dana Baker 3 YE, 1 flight, and bill Thomasson 4 YE, 2 flights. Welcome to our two new Young Eagle pilots Dana Baker and David Lincoln.

Twenty two of the Young Eagles had flown before as Young Eagles. I think that maybe we have got some of these hooked on flying, what do you think?

We could not do this with out our Young Eagle Gals and our Ground Crew. The Young Eagle Gals for this rally were; Barbara Epstein, Gay Roberts, Kathi Parks, Mary Hilborn, Jeanne Ferguson, and Lynn Zahner.

Bob Krone conducted the pre flight safety briefings and Wes Riddick taught the students on the flight simulators.

The load masterssssss/ safety officers for the day were; Tom Hilborn, Sanjida Pervin, John Bongart, Bob Parks, Frode Sletten, Jermey Welch, Jason Hilborn, Francois de Fromont, Rich Hopkins, John Morrow, Jonathan Mesfin, Maddie Hale, and Aldin Skoric.

It is great to see our youth participating as volunteers in the Young Eagles program.

I can not say THANKS enough to all who volunteer and make our 690 Young Eagles program great.



John Morgan with a happy Young Eagle, both being photo bombed by the little sister.



Brian Michael with a first time Young Eagle.



A Young Eagle with her family.

Chapter Activity

B17 at PDK War Birds Weekend



EAA 690 was the official host of the B17 "Aluminum Overcast" for the weekend. Friday Oct. 6th we had bad weather in the AM and got a late start, managed just 3 flights and then had to stand down the rest of the day to change a worn out tire on the left landing gear.



Saturday 10-7, got a late start again due to weather but managed to get in 7 flights. The folks that rode the B17 all had big smiles when they returned.



Youth Volunteers. This shot was taken around 6:15 PM Saturday after boarding the last flight of the day. From the left are Josh, Anthony, Aldin, Jeremy, "Moe", Anisa and Jonathan. Also, working with us Friday were David, Max and Gustav. Thanks to all for their effort and help.



What a group of youth our chapter has, these young folks came early and stayed late. The crew of the B17 gave high praise for their work handling the boarding and deplaning of all the passengers



Last Flight, late afternoon on Saturday the 7th.

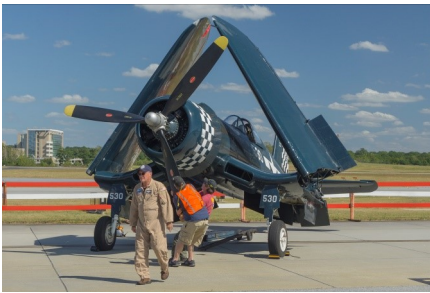
War Birds Weekend Cont. on pg. 10

Chapter Activity

B17 at PDK War Birds Weekend October 6-7-8 Cont. from pg. 9



A few pictures of the War Birds that were in attendance this weekend at PDK. Nice feathers.



Saturday Oct. 7th Pancake Breakfast

In Randy's absence the MC duties fell to Kathi Parks. Here she is introducing our special guest speaker Mr. Rick McCrary. Rick held our attention with his talk about his time flying the fabulous SR-71 Black Bird. A good turn out was there to hear Rick talk about the airplane and his experiences. Thanks Rick for taking the time to speak to EAA 690.



Progress Report Chapter 690 Youth **BD-6** Build

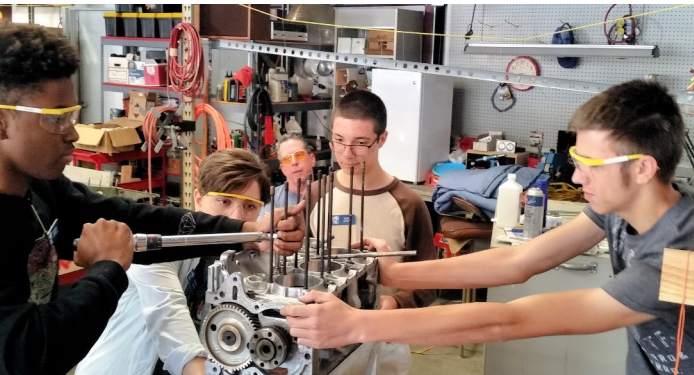


While waiting for the BD-6 construction documentation, the individual parts are produced from the drawing dimensions

Progress Report Chapter 690 Youth **Pietenpol** Build



After making all of the ribs for the 2-place Pietenpol it's on to the elevator and rudder surfaces.



After freeing up the bearings on the Corvair engine and replacing some parts the next step was to learn to torque the engine block halves.



Progress Report EAA Chapter 690 RV-12 Project



John, Louis, Ron and Keith prepping the left wing prior to riveting the skins. Thank goodness for the pneumatic puller!



Joel match drilling the wing skins on the left wing prior to closing it up!



It's thumbs up after pulling that last rivet on the left wing panel, not counting the wing tips that still need work and the flaperons that are next.



After 12 hours of inventorying the parts for the finishing kit Louis and Keith are finally done. Only 4 missing parts!



After learning to pull rivets on the RV Kathi Parks made it official with her new "Rosie the Riveter" Socks.

Looking stylish Kathi!





DeLand Sport Aviation Showcase Thursday, November 2nd

DeLand, FL (DED)

An annual event designed to promote and support recreational flying, highlight the latest in sport aviation products, and provide buyers and sellers with opportunities to connect. Featuring exhibitors, EAA workshops, educational forums, demo flights all day, every day, underwing camping, and more.

Contact Name: Jana Filip

Phone Number: 386-736-5016 Email: filiplj@deland.org

Web Site: <http://www.sportaviationshowcase.com>

Join us on November 4, 2017 for Our 11th Annual Veteran's Day Event



Fitzgerald Municipal Airport (KFZG), Fitzgerald, GA November 10-11

Pilots, we invite you to join us for the Harmony Jubilee Hamburger Fly-in. The Rotary Club of Fitzgerald Ga. invite you and your whole family to join us for a hamburger fly-in! This hamburger fly-in is being held in conjunction with the Harmony Jubilee Festival. With hot air balloon rides, kid's zone, musical entertainment throughout the day, an artisan market, and other events, there will be something for everybody in your family to enjoy!

Contact: Art Anderson Phone: 229 423-5965 Website: <http://www.harmonyjubilee.com/fly-in.html>

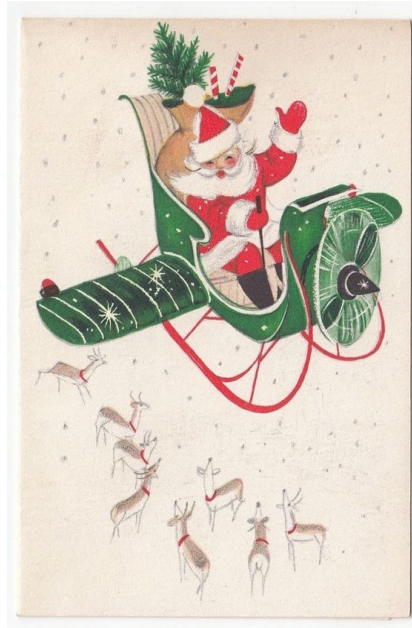


River City Fly-in Sunday, Nov 19, 2017 Weedon Field (KEUF), Eufaula, AL

1st annual River City fly-in to benefit our first responders.. Check us out on Facebook @ River City Fly-In 2017. Contact: Lacey McCall Phone: 334-689-2293

Chapter Holiday Celebration December 8th, 2017

Be sure to mark your calendar for this annual chapter event. Everyone is invited to enjoy the Entertainment, Sing along and holiday spirit. Watch Chapter Notams for additional details, coming soon.



Saturday, Nov 25, 2017

Young Eagles Rally and Pancake Breakfast
Sanford, FL KSFB

Contact: Ken Jordan Phone: 248 703-6813 Website: <http://eaa74.org>



National Business Aviation Convention Las Vegas, Oct. 10-12, 2017

At the recent NBAA-BACE convention, aviation leaders and legends came together to oppose air traffic control (ATC) privatization and H.R. 2997.

Capt. Jim Lovell, with his two trips around the moon; Capt. "Sully" Sullenberger, who served as pilot-in-command of the 'Miracle on the Hudson'; Sean Tucker, who recorded five airshow championships; Gen. "Fig" Newton, who flew four years with the USAF Thunderbirds and country music star and pilot Dierks Bentley are featured in a new video opposing ATC privatization.

Now is your time to join with this group in opposing ATC privatization. Your members of Congress are considering giving away our ATC system to the big airlines, and as a constituent, they need to hear that airlines and their lobbyists do not represent general aviation.

If H.R. 2997 becomes law, an airline-dominated board will control our access to airports and airspace, and where ATC system investments are made. This legislation represents the single-greatest threat general aviation has ever faced.

Even if you have contacted Congress before, there are still undecided members of Congress who need to continue hearing from our community. Please take action now!

**Call 1-833-GA-VOICE
(1-833-428-6423)**

Have something airplane related (or not) for Sale or a service to offer? Why not list it in the NavCom for all the Chapter Members to see.

For Sale Sonex N486BS

303 tt af and eng Jabiru 3300 six cyl. 120hp. Always hangered, no damage ever. Plans built by previous Oshkosh Lindy winner. All analog panel, portable VHF and GPS, dual controls. No transponder. No issues, great performer. Flies straight and fast. Health issue forces sale. Needs annual, as is where is. Located at Walton County Monroe airport D73. asking \$25,000
Contact: Bernie at 404-623-9256



Listing 719001

MAKE ME AN OFFER on anything

Books

Cessna 100 - 1963 through 1966, Service manual
Cessna 100 - 1963 through 1968, Service manual
Cessna 150 - 1959 through 1964, Parts catalog
Continental parts and overhaul kits c-75 - c-85
Service parts catalog, Continental c-75, c-85, c-90 and 200

EAA Aircraft Building Techniques - wood
Tony Bingelis Firewall Forward
Tony Bingelis Sport Plane Builder

Misc. Items

2 Bose headphone cases (hard)
Butcher block table on wheels - \$80
Garden tiller (needs carburetor cleaned out) - \$50
Motor home, Type A-\$14000, new brakes, 50,000+ miles
32" flat panel TV with stand - free - come and get it

Exercise trampoline - \$25
Vehicle Dolley (has new brakes) \$850
Wood planer (floor model) - \$50

Contact: Frank Settle 770-923-6149

Listing 719001

Chapter 690 has some items for sale



15—Round Tables, 6 ft. in diameter and made of wood. We are asking \$60 each. These tables are over \$95 new. Make an offer for all 15.



2- Stage platforms, they are 6' W x 8' L x 16" H. A new stage platform runs over \$1,000, make an offer...
Listing 711610

Send your listing requests to: editor@eaa690.net. Be sure to include high resolution pictures in .tiff, bmp or .jpg format, a detailed description of your offering and your contact information: name, phone and email address.

Classifieds cont. on pg. 15

RV-12 Share for Sale

I would like to offer my share of our Vans RV-12 for sale. It has approximately 150 hours on it since new. It has a 2-axis autopilot, Garmin GPS and SL20 flipflop radio, transponder, wheel pants, new intercom and software update on the radio. All service advisories have been noted and corrected, Cruises at 125mph on approx. 4.5 gph. CHEAP hangar rent, owner share is only \$50 per month. Located at KVCP Cartersville and, the other partner can perform the annuals.

\$30k Call Meade Duckworth 770-891-4599



Listing 715205

For Sale:

Bose ANR headset - Model 10X - bought originally for \$1,095.95 in 2010. Pristine condition - looks brand new. Has the 6-pin LEMO male plug which uses aircraft 12v instead of batteries. If you don't already have the LEMO female adapter in your aircraft....Bose sells them for \$55.00

SALE price - only **\$425** Call Rich Gorkes - 678-777-2669 or regjr@gmail.com

Listing 715008

AeroVentures

Flying Club

Located at Gwinnett County Airport KLZU since 2012. Our fleet consists of a C-150, C-172N a J3 Cub and an Aztec PA28-23. Come Fly with us.

For more information visit our web site www.flylzu.com



Listing 710205



AIR HARBOR, INC.
Gwinnett County/Briscoe Field

**60' x 60'
Hangar
for Lease**
55' x 20' Hydroswing Door

**Call Now for
Tiedown and
T-Hangar Reservations**

AirHarbor-LZU.com • 770-609-8997

Listing 710207

About EAA 690



EAA 690 is a Chapter of the Experimental Aircraft Association, located at [Briscoe Field \(LZU\)](#) in Lawrenceville, Georgia. With over 295 members we are one of the largest chapters in the Southeast and offer a wide variety of activities for our members. We conduct Pancake Breakfast fly-in's, Young Eagles programs, youth and adult aircraft building projects, and host such famous aircraft as the EAA B-17 "Aluminum Overcast", "Ford Tri-Motor" and the historic DC-3. You can find a current schedule of our activities elsewhere in the NavCom.

We have a very diverse membership that includes general aviation, former airline and military pilots as well as non-pilots, and folks just interested in airplanes. Come out and join us for some hanger flying and a fun time.

Visit our web site for more information: www.eaa690.org

Directions to EAA 690

I-85 North to GA-316, Take GA-316 to Hurricane Shoals Rd NE and Turn Right
Go to Airport Rd NE and turn left, Go to 690 Entrance on the right



NavCom

The NavCom is EAA 690's official monthly newsletter. Send original articles, art and photos for inclusion in future issues to: editor@eaa690.org attn. Tom Hilborn, NavCom Editor or call Ph. 404-406-6638. Permission is hereby granted for the reproduction of NavCom articles by other EAA Chapters, provided that proper credit is given to the author and to the NavCom. Comments and suggestions are always welcome.

Copyright © 2017 EAA Chapter 690, All rights reserved.

You are receiving this EAA 690 NavCom because of your interest in aviation and EAA Chapter 690 activities.

To unsubscribe visit this web link <http://eaa690.net/EmailDistribution/MemberOptOut/>.

Our mailing address is:

EAA Chapter 690 , 690 Airport Road, Lawrenceville, GA 30046
Chapter Hanger Ph. 770-339-0804