

NavCom

DECEMBER 2016



News and information for the Gwinnett County Chapter of the Experimental Aircraft Association

EAA 690
Staff / Officers
Contact Information

President

Randy Epstein
president@eaa690.net

Vice President

John Morgan
vp@eaa690.net

Secretary

Rich Hopkins
secretary@eaa690.net

Treasurer

Jeanne Ferguson
treasurer@eaa690.net

Program Chair

Kathi Parks
kp9611@aol.com

Publicity

Joel Levine
jlevine@bellsouth.net

chmn of BOD

John Morgan
vp@eaa690.net

chmn of Trustees

Steve Ashby
sashby@ashbyfamilylaw.com

The Presidents Pitch

By Randy Epstein



Merry Christmas & Happy New Years

The end of the year is upon us and 2017 is just around the corner. It's been a very active year for the chapter and I whole heartedly look forward to the coming year.

For the second year in a row we've ended up with 300 members in our little family. We've had new members join and seen some members float away. We'll hope to achieve that goal again in 2017.

We had great attendance at our monthly pancake breakfast events and look for that to continue into the future. I cannot thank Jill and her crew enough for their hard work and effort in feeding us, not only at breakfast but at all of our events throughout the year. Please let Jill know how much you appreciate her efforts when you get a chance.

Back in March we had Larry and Laura Bishop donate their Hangar and its contents to the chapter. We decided to name it the Bishop Education Hangar. It has allowed us to do so many things that would not have been possible without it. We cannot thank them enough for their generosity, but are saddened that Larry has been moved to a home to be taken care of and we are not likely to see him at any events again. Please keep Laura and the family in your thoughts and prayers.

The youth program continues strong with the support of our mentor group Rick Mathisen, High Colton, Joel Levine, Duane Huff and Art Farmer. They continue to put in many hours with the youth and during the week prepping for the Saturday sessions. BTW, if you were not at the Christmas party these five gentlemen were named our Members of the Year for 2016, a well-deserved accolade.

Continued on pg. 2

Presidents Pitch cont. from pg. 1

Our RV-12 build is also using the Bishop Education Hangar. This year we have completed the empennage and nearly completed the fuselage. Due to a long lead time we ordered the wing kit recently. We still need to raise additional funds for this kit. Once again we have had a member offer to match up to a total of \$2,000 in donations made before the end of the year. We'd love to take his money so I hope you'll consider making a donation to this project. You can do so by going to www.mkt.com/ea690 and scrolling down to the RV-12 Donation button. Remember that we are a 501(c)(3) corporation so your donation is tax deductible. If you have not gotten involved in this project, Joel is always looking for others to come help out. If you want to know when folks are working give us your email and we can add you to our Slack Team. You load the app on your phone and you'll get notifications when folks will be at the hangar working.

The addition of hangar 6 allowed us to move the tool room there and opened up the old tool room to be repurposed as a simulator room for use during Young Eagle events and for our youth program. We hope to start a simulator program for the youth now that the room has been repainted and cleaned out. There is more work we want to do in the room but we have a good start.

Sky Powers has done a great job working with our youth in the ground school program. We have a group well along in their training and should be ready to test any time now. Some of our youth are also ready to work on their flight training. I hope we can turn out a new pilot or two during 2017.

We had another good Summer Camp this year with 14 young folks joining us. We're already working on some major changes for 2017. As always we need volunteers to help with the camp. I hope that you can set aside June 12-16 to help us out. We'll publish a schedule with when and how many volunteers are needed. We also helped two young guys go to Air Academy in Oshkosh this summer and provided two flight training scholarships of \$1,000 each to two other young men.

In November we elected new At-Large members to our board and a couple of new folks to our Trustees. Our at-large members for 2017-2018 are Joel Levine, Brian Michael, John Post and Gay Roberts. New Trustee members are Chuck Roberts and John Kimmons and Hugh Colton was elected to fill the remaining year of Mike Burns' slot. Chuck and John will serve for three years.

Sadly we lost Lisa Rickerson, daughter of Jimmie and Lew, unexpectedly and in November we were also shocked to lose Ron Alexander, longtime friend and advocate, in an untimely airplane accident.

We were pleased to have Jack Pelton join us for our annual Christmas Party. We had a great night of enjoying great food, presenting a beautiful print, done on Aluminum, of a Stearman to Jack, recognizing our Young Eagle volunteers (congratulations to Chris Serra for flying 56), and all of our volunteers followed by singing some great Christmas songs and presenting our Member of the Year Awards. Thanks for all of those that came and brought such great food items.

There are a lot of things I haven't covered or mentioned, Tom doesn't have enough space in the newsletter! I look forward to seeing every one of you during the New Year. As we enter 2017 we hope you will renew your membership with us. You can do this at the January breakfast or go online to www.mkt.com/ea690 and select the correct membership renewal.

Merry Christmas and Happy New Year to each and every one of you and be safe!!

About EAA 690

EAA 690 is a Chapter of the Experimental Aircraft Association, located at [Briscoe Field \(LZU\)](#) in Lawrenceville, Georgia. We are a diverse and active chapter with over 250 members offering a wide range of aviation-related activities on a regular basis. While our Pancake Breakfast and monthly meetings are the norm, we are also heavily involved in youth education through EAA's Young Eagles program (third Saturday of each month) and our Aviation Explorer group. We regularly conduct fly-ins and host historical aircraft such as EAA's B-17 "Aluminum Overcast", "Ford Tri-Motor" & the historic DC-3.



Our technical counselors are some of the best in the business and willingly donate their time to homebuilders as they progress through the various phases of constructing an aircraft. We currently have a youth project in hanger 6 building a Pietenpol fabric covered all wood airplane from plans as well as a Vans RV-12 light sport all metal kit being assembled by the chapter adults. See the latest report on these project elsewhere in the NavCom.

We have pilots with a wide variety of experience, from former airline and military pilots to general aviation pilots with a private certificate. "Hangar flying" is a fun part of the mix, and our facility is often used for aircraft annual inspections, meetings, special events, and training. We also have an extensive array of aviation tools for loan to members, and a library full of aviation information. Come join us on the first Saturday of every month at the hangar to enjoy a \$6 Pancake Breakfast, and to learn more about EAA 690.



EAA 690 Membership Report

December 2016

By Jeanne Ferguson

During 2016 we welcomed 42 new members! Fantastic!! Membership is slightly over 300 which is exciting for many reasons.

December we welcomed Gerald Bartel as a new member.

It is time to renew your memberships for 2017. We will have a spot set up at the Pancake Breakfast on January 7, 2017 for you to renew!!!!!! Payment can be made cash, check, or credit card. Payment can also be made at mkt.com/ea690.

Membership applications are available on ea690.org for new and reactivating members, and applications are available in the box inside the hangar door.

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.

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 Chapter 690 continues to grow but we have plenty of room for more. Please invite your friends to join us for Pancake Breakfast, Young Eagles, or one of our great guest speaker events. Spread the word!

EAA 690 Young Eagles Report

December 2016

By Duane Huff

YE December 10th Cancelled due to low Ceiling "1,100 Ft".
See everyone in January



Pancake Breakfast December 3rd

Our speaker, Mr. Steve Champness, receiving the coveted EAA 690 speakers award mug. Steve's program detailing the history right up to the present, for "Trade-A-Plane" A very interesting and informative talk. Thanks Steve, we all enjoyed your presentation.



Steve also brought some door prizes that were award to those with the lucky number, congrats to the winners.





The NavCom is EAA Chapter 690's official monthly newsletter serving its members and the general aviation community for the advancement of aviation.

Original articles, art and photos are invited and welcome. Submit articles in Word or ASCII format and pictures in .jpg, .tft or .bmp format via e-mail to editor@eaa690.org. Deadline for articles and pictures is the 20th of the month.

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.

The NavCom is published electronically on a monthly bases and distributed to Chapter members and other interested parties. Printed copies may be available, upon request.



NavCom Editor

Tom Hilborn Ph. 404-406-6638
Email to: editor@eaa690.org
EAA 690 Hanger Ph. 770-339-0804

Your comments and suggestions regarding the NavCom are always welcome. Our goal is to provide a publication that meets the needs of the entire Chapter so, please gives us your feedback.



Update

Glider Project Repair

By Chuck Roberts

Removed all of the skin from the good (right) wing, cleaned all of glue off the bottom side of the spar, secondary spar, and all of the ribs to be used for this wing. Found several ribs where the rivets have broken loose and must be replaced. Also removed the aileron push tube as it isn't used in this application. Per report #4 I have determined I can make the wings a little less than 9 feet long. The length is driven by the placement of the ribs as the tip end of the wing must be at a rib station. Next step on this wing will be repair of ribs as mentioned above, cut the spars (main and secondary), flip the wing over and clean all the glue off the top and then re-skin the wing with necessary tie-down points installed. Brian will be here Saturday to help straighten the main spar of the left wing so work can begin on it.



EAA 690 Christmas Holiday Party December 9th, 2016

By Randy Epstein

A great time was had by all, at least I hope so!! We had over 100 in attendance and enjoyed a wide variety of food. We started the evening off with a dedication of the "Bishop Education Hangar". We then moved down to the Chapter Hangar to mingle while we waited to get started with dinner. We also got to enjoy some beautiful Christmas music from Ron Freed and Elgin Wells, Jr.

Our special guest this year was Jack Pelton. It was a pleasure having him attend. Jack got a tour of the "Bishop Education Hangar" from Carolyn Coppinger, Alex Kirkland, Steven Aqudelo and Maddie Hale, four of our youth build regulars. Jack also got to meet "Heidi" thanks to Chuck Roberts.

After dinner we made a special presentation to Jack. Steve Ashby and John Slempe joined Randy as the chapter presented a beautiful print of Vic Syracus' Stearman done on Aluminum.



We then moved on and recognized our Young Eagle volunteers as Duane Huff and Jeanne Ferguson handed out Certificates and pins for participation in Young Eagles throughout the year. Chris Serra was our top pilot for 2016, flying 56 Young Eagles for us.

Next, Chapter President handed out the Certificates for those in chapter leadership, youth program mentors and our kitchen crew.

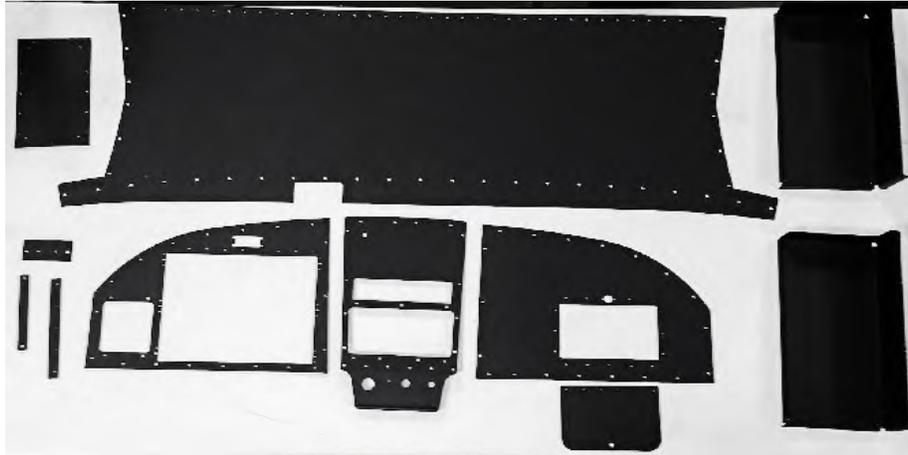
Ron and Elgin then played while the EAA 690 Carolers and the chapter sang Christmas Carols. Before the last carol of the night the Member(s) of the Year Awards were presented.

Because of there hard work this year we presented awards to Rick Mathisen, Joel Levin, Hugh Colton and Duane Huff. Art Farmer was not in attendance and we will present his award as soon as we can. Many thanks to these gentlemen who have given so much of their time to make this program successful.

See a photo montage of this fun event on Pg. 12

Progress Report EAA Chapter 690 RV-12 Project

Thanks to Chapter member Bill Miller owner of Miller Powder Coating we have the panel and map box parts coated in a black crinkle finish. They look beautiful!



The RV is beginning to look like an airplane, it even has some control parts and plumbing installed. The wings for the RV-12 are on order. Since the lead time is relatively long, the decision to get them on order was an easy one to make. That being said all of the funds to pay for the wings are not committed. Now is your chance to participate by making that Holiday Donation to your Chapter. Don't forget, an anonymous donor has made a matching challenge, up to \$2000, to help pay for the wings. Let's not let it go unanswered. .



If you would like to donate and help move this project forward you can go to the [Square Marketplace](#) today to donate. Please be sure to note that your donation is for the RV-12 project
For more details visit rv12.eaa690.net

Progress Report

Chapter 690 Youth Pietenpol Build



It is coming together nicely. The quality, workmanship and skill that our youth are exhibiting is truly remarkable. If you haven't visited Hanger 6 to see for yourself it is worth the trip.





UPCOMING AVIATION EVENTS



Chapter Events

Don't be left out, bring a friend and have some fun with your fellow EAA 690 Chapter members.

Pancake Breakfast & Program

The first Saturday of every Month
Next event January 7th. 2017
Serving 8:00-10:00 AM



GARS Meeting

The second Tuesday of every Month
Next event January 10th. 2017
7:00 PM—9:30 PM

Chapter Business Meeting & Program

The second Friday of every Month
Next Event January 13th. 2017
7:30 PM-10:00 PM



Young Eagles

The third Saturday of every Month
Next event January 21st. 2017
8:30 PM—12:00 Noon

Monthly Youth Ground School

Watch for EAA 690 Notams
announcing future Youth Ground
School Schedules



Upcoming Events cont.

EAA 690 Guest Speaker Pancake Breakfast, January 7th. 2017

We are excited to announce that our own Mr. Hugh Colton will be doing a presentation on his trip to New Zealand. Don't miss this opportunity to experience New Zealand through Hugh's eyes.

Hugh Colton BA, MS, FRGS – EAA Life Member

British by nationality, Hugh has lived and worked in many countries, and has been resident in the USA since 1988, and in Alpharetta since 1991. He has degrees in electrical, mechanical, and computer engineering. Most recently he studied geography and geographical information science, which has enabled him to become a fellow of the Royal Geographical Society.

He obtained his private pilots power license in 1977, and a glider rating in 1978. Hugh has owned or had shares in five different sailplanes, and currently shares a Rolladen Schneider LS3a 15 meter flapped glider, with a Finnish pilot. They keep the sailplane at Omarama airfield on the south island of New Zealand.

Hugh is currently working with younger members of EAA chapter 690, under the leadership of Rick Mathisen, building a Pietenpol ultralight in hangar 6.

Hugh is among four others who received the Volunteer of the Year for his commitment to our Youth.



Christmas Party Pictures



Fly Safe: Prevent Loss of Control Accidents

Explaining The Flight Risk Assessment Tool

Reprinted w/permission: Aero-New.Net "Propwash" Daily News 12-21-16

Flying safely and preventing Loss of Control (LOC) accidents is the responsibility of every pilot, of course, and there are tools available that can make it easier for pilots to assure they arrive safely at their destinations.

One of those is a FRAT, or Flight Risk Assessment Tool.

FRAT is an acronym for a handy tool that will earn your respect through its ability to help keep you safe. A FRAT helps you to identify the risk profile as you plan a flight. Factors such as type of operation, environment, aircraft, crew training, and overall operating experience are evaluated by the tool. This helps you determine if the flight falls in a low, medium, or high-risk category. More importantly, after seeing the data, you can develop risk mitigation strategies to ensure your safety as well as the safety of your passengers.

The General Aviation Joint Steering Committee (GAJSC), a government/industry group that analyzes GA accidents and incidents, has found that improved risk assessment before and during a flight can significantly improve your chances of avoiding accidents and incidents. Although a FRAT tool cannot anticipate ALL hazards, it can help you recognize and mitigate the most common ones.

The FAA FFAST Team has developed simple, automated spreadsheets that run on Microsoft Windows or Apple operating systems. All you have to do is download the file at <http://go.usa.gov/xkhJK>. There are also many free FRAT apps available for your mobile device. The FAA hopes to roll out its own FRAT app in the near future.

The FRAT format is pretty basic: In the FAA version, VFR pilots will consider which of the 20 flight, pilot, and aircraft conditions apply to the upcoming flight. IFR pilots have 22 conditions to review. Each condition is assigned a numerical value. Simply click the YES box next to each condition that applies to your flight. When you are finished, the total value corresponds to a risk matrix chart. If you are uncomfortable with the level of risk identified, mitigate the risk by adjusting conditions to improve your chances for a safe flight.

When you begin to use a FRAT, you'll probably think of additional potential hazards. That's to be expected and we encourage it because it means you are taking an active role in your Safety Risk Management. Think of each hazard as a potential liability. When you offset those liabilities with assets – good decisions – you will reduce or eliminate hazards and keep your safety account in balance.

A Loss of Control (LOC) accident involves an unintended departure of an aircraft from controlled flight. LOC can happen because the aircraft enters a flight regime that is outside its normal flight envelope and may quickly develop into a stall or spin. It can introduce an element of surprise for the pilot.

Contributing factors may include:

Poor judgment or aeronautical decision making

Failure to recognize an aerodynamic stall or spin and execute corrective action

Intentional failure to comply with regulations

Failure to maintain airspeed

Failure to follow procedure

Pilot inexperience and proficiency

Use of prohibited or over-the-counter drugs, illegal drugs, or alcohol

"The FAA and industry are working together to prevent LOC accidents and save lives. You can help make a difference by joining our Fly Safe campaign," said FAA administrator Michael Huerta. "Each month on FAA.gov, we're providing pilots with a LOC solution developed by a team of experts. They have studied the data and developed solutions – some of which are already reducing risk. We hope you will join us in this effort and spread the word. Follow #FlySafe on Twitter, Facebook and Instagram. I know that we can reduce these accidents by working together as a community."

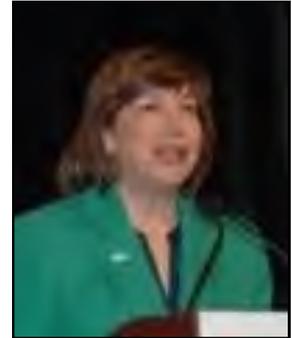
(Source: FAA. Image from file)

WAI Announces Pioneer Hall of Fame Inductees For 2017 Will Be Honored At Conference In Orlando, FL In March

Reprinted w/permission: Aero-New.Net "Propwash" Daily News 12-21-16

Women in Aviation International (WAI) has selected the 2017 inductees into its International Pioneer Hall of Fame. These women will be honored at the 28th annual International Women in Aviation Conference, which will be held March 2-4, 2017, at Disney's Coronado Spring Resort in Lake Buena Vista, Florida. The ceremony will take place at the closing banquet on Saturday, March 4, 2017.

"Honoring these women and chronicling their achievements is an important mission for Women in Aviation International," says WAI President Dr. Peggy Chabrian (pictured). "Not only have these women had great individual accomplishments but they have paved the way for other women to have similar success."



The 2017 Pioneer Hall of Fame inductees are:

The First Class of Women Naval Aviators - Judith Neuffer, Barbara Allen, Jane Skiles, Ana Marie Scott, Joellen Drag and Rosemary Merims. In January 1973, eight female trainees were selected to train as Naval aviators. The women reported to Pensacola for flight training in May 1973. Two women were dropped from the program and six women went on to earn their "Wings of Gold" and became the first women to be designated full-fledged military pilots. Their success made it possible for subsequent female Naval aviators. Shown in photo: Lieutenant Junior Grade Barbara Allen, USN; Ensign Jane M. Skiles, USN; Lieutenant Junior Grade Judith A. Neuffer, USN; and Ensign Kathleen L. McNary, USN.



Lt. General Stayce Harris is the highest ranking African-American woman military pilot in all the United States armed forces. She is the Assistant Vice Chief of Staff and Director, Air Staff, Headquarters U.S. Air Force, Washington, D.C. She also serves as Deputy Chairman of the Air Force Council, and is the Air Force accreditation official for the international Corps of Air Attachés. Lt. General Harris has logged more than 2,500 hours in military aircraft including the C-130H, KC-135R, C-141B/C, T-38 and T-37.

Elizabeth "Betty" Everts Greene (deceased) is a trailblazer in humanitarian and missionary flying. She learned to fly in 1936, served as a WASP during World War II and went on to help found the Mission Aviation Fellowship (MAF). Today, the MAF operates 135 aircraft in 33 countries, flying five million nautical miles a year to provide medical care, disaster relief and participate in community development.



The Women in Aviation International Pioneer Hall of Fame was established in 1992 to honor women who have made significant contributions as record setters, pioneers, or innovators. Special consideration is given to individuals or groups who have helped other women be successful in aviation or opened doors of opportunity for other women. Each year, the organization solicits nominations from throughout the aviation industry for the WAI Pioneer Hall of Fame.

(Images provided with WAI news release)

Do you 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.



Hanger Space Needed at or Near LZU

Dwight Sullivan needs a home for his Avid Flyer N921DS

Dimensions are as follows: Wingspan: Flight: 24' 3"; Folded: 7'8"

Length: 17'11" without tow dolly; 19'10" with tow dolly. NOTE: once in storage the dolly can be rotated almost 90° to the long axis of the plane reducing the needed storage length to the basic length of the plane.

Height with the tail elevated on the tow dolly: Forgot to measure but it's less than 8' because that's the height of the door of the storage building I'm now using.

Sharing hanger space would be good as well.

Contact Dwight, email: iluvatar111-690@yahoo.com

Cell: 678-457-5920



Attention Chapter 690 members

Fellow Chapter member Mike Huffman now has an Inspection Authorization addition to his A&P Mechanic certificate and would consider working with owners of type-certificated aircraft to perform annual inspections on an owner-assisted basis. If you are interested, please contact Mike at 770-548-1206



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Chapter Coffee Mugs Now Available

RPH Imprints is proud to offer the exclusive 15oz coffee mug imprinted with Chapter 690's logo and sectional. These mugs are microwave and dishwasher safe. Just select how many and add to cart. Then click on view cart and proceed to check out. Fill in the shipping and billing info and pay with PayPal. Your order will ship within 48 hours. You can also click on Customize Your Mug and import your images and create your own coffee mug. We print your coffee mugs in the U.S.A. and your satisfaction is guaranteed when you order from us. Every order is hand processed by an expert artist, and we have our service team here seven days a week to assist you. Imprinted mugs, no hassles.

Only \$15.00



RPH has been doing the Speaker Mugs for over 3 years. I am honored to now offer the same type of Mug to EAA 690 Chapter members. I seem to get this one question about ordering. *Some of the members want to put an order together.* Shipping is to one address and cost is a flat rate of just \$6.95.

Visit the web site below to place your Chapter or Custom Mug order.

<http://coffeemugsondemand.com/product/15-oz-eea-690-custom-mug/>

For more info contact Ron Hlozansky

Phone: 678-653-7244 Web Site: <http://coffeemugsondemand.com>

"The Mugs don't care what you put in Them."

Send your listing requests to: editor@eea690.net

Be sure to include pictures, a detailed description and your contact information.

Please send us your comments, notes and any full blown articles regarding your experiences both past and present. Include pictures if you got'em. Your input adds flavor, color and interest to our publication. Don't worry if you are not a writer, our large professional staff of copy writers, editors, typesetters and letterpress operators are at your disposal and eager to assist. (don't expect miracles, we will do our best). Your input is welcome and appreciated.

Email to "Editor@eaa690.net"

Visit the EAA 690 Chapter Website at 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



Chapter Badges Available

New members badges can be found pinned to the tie on the Chapter bulletin board next to the main entrance to the Chapter hanger. For anyone that needs a replacement name badge or would like to get one of the new full color badges please see Duane Huff during any Chapter function.

Annual Chapter Dues

Chapter 690's Fiscal and Membership Year begins on January 1st. Dues are due and payable on the 1st of January. Dues may be paid at meetings, mailed to our membership chairman, Ms. Jeanne Ferguson or paid on-line. To pay online visit the Chapter web site, www.eaa690.org and click on "Membership" then follow the prompts for the type of membership you wish to apply for.

Your Assistance is Requested

As always, our great chapter runs best when we have volunteers that will step up, pitch in and get involved. Announcements are made at most chapter functions for those projects and activities where we need additional volunteer help. Please lend a hand, your help is needed and greatly appreciated.

E-mail Update and Request

Chapter members and other interested friends of Chapter 690 are alerted and reminded of chapter planned activity, timely aviation news and other items of interest via NOTAMS sent by our President Randy Epstein. To be sure you continue to receive these informative announcements please be sure to notify Jeanne Ferguson, jmarief@bellsouth.net if you have a change in your preferred email address.

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EAA Chapter 690
690 Airport Road
Lawrenceville, GA 30046