

EAA Chapter 309 was founded in 1973 by a small group of aviation enthusiasts. Since that time, the membership has grown in size and experience. Members come with a variety of skill and experiences. **Current members have** aviation backgrounds ranging from student pilot all the way to Airline Transport Pilot. Several are A&Ps and all share a love of aviation. Membership is open to anyone interested in aviation and learning about the construction of Experimental Aircraft.

Chapter 309 is planning to build a home at Gastonia Municipal Airport. Chapter activities include visiting member projects, seminars, fly-ins, Young Eagle Flights, and a good dose of Hangar Flying!

THREE ZERO NINER

May 2006

Meets every 3rd Monday in Charlotte, NC



For the whole story and more pictures see

http://www.eaa309.org/ Workshop/ home builder.htm

HOMEBUILDER'S SEMINAR

This workshop was developed to give prospective homebuilders an idea of what is involved in building an airplane.

The seminar was conducted by members of Charlotte, NC's EAA Chapter 309 on Saturday, April 22. The location was David Border's backyard workshop - actually a very nice 30' x 40' workshop well equipped with tools, air, lights, electricity, and the chapter's aircraft building tool boxes.

Bob Thayer provided an introduction of the day's planned activities and introduced the instructors. Then each participant introduced themselves, and gave an overview of what they were thinking about building. Most were thinking of building an RV (or had already started), others were there to learn more about homebuilding in general.

Topics covered in the morning session included:

- FAA Regulations and Licensing Ronnie Brown
- Shop and Airplane Building Safety Bill Repucci
- ♦ Tools Andy Moscarelli

- Composite Materials and Construction Kent Ashton
- Tube and Fabric Construction, Aluminum Materials Bob Thayer
- Fasteners Andy Moscarelli
- ♦ Electrical Systems Bill Repucci
- Coatings Paint and Primers; Engines and Propellers - Andy Moscarelli
- Books and Other Sources of Information Bill Repucci

David Borders and his daughters cooked hotdogs and hamburgers with all the fixings.

The afternoon session featured a hands-on session building Van's Tool Box project. Every one learned how to cleco, drill and debur holes, countersink, then squeeze and drive rivets.

Next year, Bill Repucci promises to include a session on Pro-Seal to stop the water from leaking from the cooler -I mean tool box!





309'ers WEB SITE www.eaa309.org

2006

Here's the schedule of upcoming Dinner Meetings planned for EAA 309. Go ahead and mark your calendars so YOU can BE THERE - EVERY THIRD MONDAY OF THE MONTH beginning at 7:00 pm

- Monday, May 15. Captain's Galley Restaurant. 11032 E Independence Blvd, Matthews. John Meslonka - B1 navigator.
- Monday, June 19 Open Kitchen, 1318 W Morehead St, Charlotte followed by tour of Randy Utsey RV project.
- Monday, July 17. (Location Later) Bill Hartin with Wing Sport Aviation Presentation on Light Sport Aviation. He sells ready to fly LSA aircraft, Sting Sport and Star Sport.
- Monday, August 21, Thane States has invited us to tour his RV10 Project
- Monday, September 18 Tour of Michael Moore's Aircraft Engine shop in Mooresville.
- Monday, October 16 Tour of Neal and Sam Stewart's Skybolt Biplane Project.
- Monday, December 11 EAA 309 Christmas Party at the Acropolis Restaurant in Cornelius.

If you have a suggestion for an upcoming speaker or tour, please let us know! We are looking for suggestions for the November meeting.

EAA 309 Poker Run Rescheduled to August 12

\$100 Hamburger Joint!

Check out the Runway Cafe at Blue Ridge Airport (MTV), Martinsville, VA. The restaurant sits in the middle of the ramp with a great view of the runway. Flight distance is 96 NM, heading of 28 degrees from Charlotte.

Got a favorite \$100 Restaurant? Let us know!



Chapter 309 Charlotte, NC

YOUR NAME

Contact Earl Fortner for your Name Tag! Phone or e-mail Earl at 704-455-5326 or efortner@vnet.net

It's Pay Off Time!

(This is the pay off for the friendly wager made between EAA Chapter 961 and 309 during the US Air Race held at Monroe last year)

EAA Chapter 961 would like to invite Chapter 309 to join us in a cook-out and fly-in to be held at noon, Saturday, May 27th at the Rock Hill Airport (UZA). This is Memorial Day week-end.

Location:

Colby Mosier's hanger which is off Taxiway J. Taxiway J is at midfield on the East side of the airport. Parking will be along taxiway J

Time:

We will fly Young Eagles from 9:00am until 11:00am. The Fly In officially begins at 11:00am. BBQ lunch to be served at 1:00pm.

Food:

Chapter 961 will provide BBQ, beans, slaw, bread, ice, drinks, paper products. Guests may bring desserts, fruit, casseroles, favorite dishes of any type

Facilities:

We will try to have tables and chairs for all but we should encourage guests to bring chairs if possible. We will provide extra Porta-Potties.

Head Count:

We need a final head count from 309 and 961 by Monday the 22nd.

John Roberts - President, EAA Chapter 961

(John is also a member of Chapter 309. We will need to know how many folks are planning to attend. Either call John at 803-831-1452 or e-mail me at romott@adelphia.net)

Chapter Officers

President: John Wigney 704.664.4167

Vice President: Kevin Cromie 704-366-8529

Secretary: Don Sink 704.663.5834

Treasurer: Sam Stewart 704-588-0776

Directors:
Dale Ensing, Sara
Forrest, Bill Repucci,
John Schroeder & Bob
Thaver

Young Eagles
Coordinator: Don Sink
Technical Counselors:
Kent Ashton, Neil
Stewart, Dale Ensing,
Andy Moscarelli &
Ronnie Brown.

Flight Advisors:

Dale Ensing & Ronnie

Brown

Newsletter & Web Page Editor: Ronnie Brown 704.892.5122

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Monday, April 17, 7:00 pm - EAA 309 Dinner Meeting at Quaker Steak and Lube, 1601 E Woodlawn Rd, Charlotte. Speakers Bob Thayer and Andy Moscarelli - Building and Running a 1/2 VW Engine.

North Carolina:

5/13 - Laney's - Annual Fly In - Free Food. Grass strip - land rwy 5, depart 23. E-mail w4ppn@hotmail.com

5/18 - 21 Lumberton -- Mid Atlantic Fly-Iin & Sport Aviation Convention. Grass roots fly-in. Forums, seminars, exhibits, 2 day airshow. Email: parkersc@nc.rr.com Web: mafsac.com

Saturday, May 27th - EAA Chapter 961 invites Chapter 309 to join us in a cook-out and fly-in to be held at noon, at the Rock Hill Airport (UZA). This is for members of Chapter 961 and EAA 309.

6/3 - 4 Hendersonville, -- Western North Carolina Air Museum Air Fair. Old timey Air Fair. Email: bbcarter@bellsouth.net Web: www.wncairmuseum.com

6/3 Williamston -- Martin County Airport Open House & Fly In. Food, Fun, Music, Aircraft of all types. Email: msowl@earthlink.net

6/10 Gastonia -- EAA Chapter 309 Breakfast Fly In and Young Eagles. Starts at 8 am. Web: http://www.eaa309.org

6/16/2006 - 6/18/2006 Elizabeth City -- Mooney Safety Foundation pilot proficiency program for Mooney pilots. Elizabeth City Regional Airport.

7/2/2006 Salisbury -- South Carolina Breakfast Club, Salisbury (RUQ)). Remember Our Motto: "Safety First." Email: jack@fly4fun.org

Saturday, September 9 - EAA Chapter 309 Fly Out to Martinsville for Lunch and Tour the Museum at Asheboro. E-mail romott@adelphia.net

9/23/2006 Farmville -- EAA Chapter 960 Fall Fly-In at N08. Come see us for lunch, 10:00 until 2:00. (No fuel on field). Email: webmaster@eaa960.org
Web: www.eaa960.org

9/30/2006 Wilson -- EAA Chapter 1047 Annual Fly-in Email: John.Slatner@GE.com

Saturday, November 4 - EAA Chapter 309 Fall Fly In at Lincoln County - 10 am - 4 pm. Hotdogs and Hamburgers, Young Eagles. Email rtdive@alltel.net

Mark your Calendar

See <u>www.eaa309.org/309mm.htm</u> for 2006 Schedule

South Carolina:

5/13 Winnsboro -- 3rd Annual Wings & Wheels Festival 10-4pm. No admission fee. Email: mmaviation@chestertel.com

5/21 White Plains Planta. -- South Carolina Breakfast Club, White Plains Planta (SC99). Email: jack@fly4fun.org

5/26 - 5/28 Holly Hill -- Food, drinks, seminars and demo flights. Come fly with us and make new friends. You will be glad you did. Email: legallyhigh@bellsouth.net

6/4 White Plains Planta. -- South Carolina Breakfast Club, Spartanburg (SPA). Remember Our Motto: "Safety First." E-mail: jack@fly4fun.org

6/18 Cheraw -- South Carolina Breakfast Club, Cheraw (47J). Remember Our Motto: "Safety First." Email: jack@fly4fun.org

7/16/2006 Winnsboro -- South Carolina Breakfast Club, Winnsboro (FDW)). Email: jack@fly4fun.org

7/30/2006 Laurens County -- South Carolina Breakfast Club, Laurens County (34A). Email: jack@fly4fun.org

8/13/2006 Aiken -- South Carolina Breakfast Club, Aiken (AIK). Email: jack@fly4fun.org

These events were downloaded from





July 24 - 30, 2006





Rambling from the Editor

Flying to Dallas, Texas

I mentioned last month that I use Flight Simulator 2002 and the Garmin 430 GPS simulator to practice IFR. This week I have been "flying" to Dallas, TX in preparation for the www.velocitysymposium.com/, May 19-21.

I have a fresh database in the Garmin and new charts and plates. We will watch the weather and hope for a clear day so that we can make the trip on one day. The Velocity cruises at 155 kts true. Today's winds predict a 20 kt head wind - which is probably fairly typical for a westerly flight.

This calculates to just under 6 hours flying time. I am planning on one stop - at Tupelo (TUP). They list self service at \$3.45 per gallon. By the way, I use AOPA's excellent Real-Time Flight Planner. It calculates that I will use 60 gallons of fuel for the trip out. With today's winds, the return trip would only take 4:35 hours and 46 gallons of fuel.

So, what altitude should I fly? An excellent tool is Dan Checkoway's weather pages at www.rvproject.com/wx/ - click on "winds" This tool says 4500' (12 kts) for the first half of the trip, with 10,500' (22 kts vs 30 kts at 4500') recommended toward the end. By the way, today's weather (Tuesday, May 9) would not be a great day for flying to Texas, with low ceilings here turning into afternoon thunderstorms this afternoon as we near Texas.

I have also signed up for the Pilot My Cast subscription which is available for cell phones. http://www.my-cast.com/ Although this does not work in the plane very well, sometimes you can get cell phone service at low altitudes (1500 AGL). I'm still waiting for a cheaper, incockpit weather system. Garmin, Anywhere WX, and other systems cost thousands and subscriptions are not cheap. The FAA has committed to making weather available with the new ADS-B systems. So I'll just use FBO DUATS along with my cell phone and look out the wind screen - and stay a long way away from the thunder boomers!



Don Sink (right) is our new Young Eagles Coordinator. Harold Ramsey (left) helped sign up Young Eagles. THANKS Don!

By the way, a good way to do this is to get on top of the haze layer, where visibility is often upwards of 50-100 miles and stay away from the tall stuff.

When the weather doesn't cooperate, then it is time to find an airport, wait out the weather, even if it means getting a ride to town and staying in a motel. We have had this happen several times. It actually creates some rather memorable diversions. Kingsport, TN; Tallequah, OK; and Amelia Island, FL come to mind. We met lots of neat folks at the FBO and lots of folks willing to help stranded travelers!!!

I'll have a report with pictures for next month!

Ronnie Brown, N713MR, Velocity RG

WANT ADS

FOR SALE - 1/4 Share 1995 Bonanza A-36. 2450 hrs AF, Zero time 300 hp Cont Engine, leather interior, like new paint, tip tanks, KLN90B GPS, Argus moving map, King KX155 Nav/Coms, King autopilot, storm scope, ADF and DME. \$75K. Call Conni at 704-875-1200.

Hanger Space for Rent at Lake Norman Airpark - Gail Brown will have a space available this summer - Call Gail 704-664-4106

Hanger spaces for rent @ Lake Norman Airpark (14A), \$220, call Conni at 875-1200.

2 Tailwind doors and we would like to sell them, \$100. plus shipping. Call Sam Stewart for more info - 704-588-0776

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President's Corner by John Wigney

Since last month's newsletter, a number of things have changed regarding our plans for the hangar at Gastonia. The bad news was that all our bids for the original plan to build a new hangar came in high, the good news is that Gastonia came to us with a proposal to rent an existing hangar at a favorable rate. This new hangar is 69ft x 69 ft, has a full width bi-fold door, is in excellent condition but has no meeting room space.

This proposal was reviewed at the April dinner meeting at the Quaker Steak & Lube restaurant and our Treasurer, Sam Stewart, explained that from a cash flow point of view, this rental alternative is quite attractive. Our plan is that we would add a meeting room facility using some of our available capital. After discussion, a motion was unanimously approved to proceed with this option. We have sent a letter of intent to Gastonia and are now awaiting feedback regarding the rental agreement.

Notable events coming up are the BBQ at EAA 961, Rock Hill, on Sat. May 27 - free to members of EAA 309. Please let Ronnie Brown know if you are planning to attend. On June 10th, we will be having our Gastonia breakfast fly-in.

Remember - Chapter 309 of the EAA is now a charitable organization as defined by 501(c)3. Your donations may be tax

As you can see from the following, the Chapter's RV-6 project spawned numerous projects If you have a project underway, or are planning to get started let us know.

UNDER CONSTRUCTION



The above is **Ross Gresley's** building project at Long Island Airport as of a couple weeks ago. Hopefully by the next newsletter he plans to show a nearly completed hanger

John Schroeder reports their Interior Decorator - I mean upholstery man started on Monday. They also have about 75% of the engine baffling completed on the **Schroeder/Szot Lancair ES**.

WEB STUFF:

For pictures of the March Fly In at 14A go to: http://www.eaa309.org/gallery/Image/060325/index.html

I have put the article on the web site. http://www.eaa309.org/Workshop/home_builder.htm

Neat Navy Aviation Pix and More with Music! http://objflicks.com/SeaPower.htm

Remember the controversy about the AT-6's skimming the water - here's the video: http://www.flightzone.co.za/media/har-vards.wmv

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LANEY'S FLY-IN

Howard Cochran recommends you attend:

May 13th Saturday, with a rain date of May 20th.

FLY IN at Laney's airport N92. It is located just west of Anderson Mountain or if by road, just a bit west of the intersection of route 150 and route 16.

If coming by car, go west from Mooresville on 150 until you reach the traffic light at the intersection of 150 and 16. Continue through the traffic light for about one block and turn right onto East Maiden Road. Follow this road for about 4-5 miles until you see a sign on the left that says BURKE TOURS.

Turn right onto OLIVERS CROSS ROAD. Go about 3 miles and turn left at the corner of the airport onto JOE CHROUSE ROAD. You can see the orange balls on the power lines just before you make this turn. Park along the road where you can find a space.

Make sure everyone exercises caution as there will be a lot of people walking around, kids and the like. There will be helos, gyros, ultralites and normal airplanes. The field is usually full by noon time.

If you fly in land on runway 5 and depart on 23. Monitor 122.8 CTAF and call out your position. There is usually heavy traffic of all kinds. Plan to arrive by 10:00 AM and lunch is served at 12:00. Lunch is provided by the Laney family.

That's Racin'

You might wonder what the names Jimmy Doolittle, Steve Whitman, Wiley Post, Roscoe Turner, Tim Good and Sam Stewart have in common. If you guessed air racing, you can move to the front of the class. Yes, I've been bitten by the bug. It's early in the year, but my first race of the season is in the record books.

The morning of April 6th promised to be a wining day for me and first officer Sam Stewart. My Cherokee Six was looking fast with a freshly waxed body and a powerful 300 HP IO-540 under the cowl. I glanced across the tarmac and saw that my nemesis for today's race had had his plane pulled out early. His Peterson 260 looked more like a love child between a Cessna 182 and a Cozy than anything that was going to give me much trouble in the air. Its pilot, Wally Overton, was going

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to be another matter. Old age and trickery is his nick name and today would hold no exceptions. More upsetting was Wally's frequent comments that his airspeed indicator needed to read in MPH for his slow flight capability and Mach numbers for his in route cruise.

Today's race was a one-way event from Monroe Regional to Gilbert Field – Winter Haven, Fl. Rules of the race had not been discussed or agreed upon. This became apparent when Wally sent his partner-in-crime, Rich Weiner, to camp out in the flight planning room while I filed my flight plan and discussed winds aloft. My plans for a quick run off the coast where now in the hands of my rival.

I tried to plead my case with race officials, but could not find any. Sam and I loaded up and prepared to "Get Err Done". The mighty Six started easily and settled in to a throaty growl while Wally apparently spent his time reprogramming his GPS.

Gentlemen that we are, Sam and I allowed Wally to depart ahead of us. Once satisfied we wouldn't run over him, we roared down 23 on our way to GIF. I might add at this time that we don't do things the easy VFR way; we race on an instrument flight plan. Our first obstacle was picking up our clearance. Between Charlotte commercial traffic and Wally's continuing request for his, we couldn't get a word in edgewise.

Eventually we heard "cleared as filed" and we were on our way. "Old Age and Trickery" soon started his new

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battle cry; Big Peterson 260 wants direct! Most people would quit when told that things are extremely busy with Sun-N-Fun and the Masters; not Wally. Sam and I could only shake are heads in disbelief at the number of times Wally requested direct. We really shook our heads when a controller without the fortitude of his predecessors granted Wally's request. Our similar request was responded to with "negative on direct and you have seven targets at your 12:00 – Good Luck" Such was the in rout portion of our race.

With minutes left in the race, Wally and his "Oh So Big" Peterson 260 were allowed to cut the corner to Winter Haven and the gentlemen in the Cherokee Six were kept on course towards Lakeland for traffic management. To show there were no hard feelings, Wally and his crew where happy to direct us to our parking place at Gilbert Field when we arrived mere minutes after them.

I decided to waive my right to a review by race officials and officially ended this year's race by presenting Wally with his "Big Peterson 260" trophy earlier this month. This year's trophy was hand made and reflects the true spirit of racing. I'm sure Wally will be basking in the glory of his win for months to come. As for Sam and I, we look forward to sipping champagne as we watch Wally land next year!

Tim Good, PA-32 - 300, N2244Z

A picture of the Wally O's Cessna - Cozy "Love Child" Notice it looks like a kid drew a picture and forgot where the wings went and then correctly drew the wings but forgot to erase the mistake.

(Wally - I didn't write this - Ed-)

"Airport Safety Seminar"

Topic: Runway Incursions On May 23, 2006 at 7:00 PM

Location:

Rock Hill Aviation Flight School 400 Airport Road

Rock Hill, SC 29732

Jim Redmond and Gene Thomas will talk about how and why runway incursions happen and what pilots can do to prevent them. To view further details and to register for this event, click here

PROP SAFETY

Technical Counselor, Kent Ashton asked me to share this with the Chapter:

To: "'Canard Aviators'" canard-aviators @yahoogroups.com

Subject: COZY: Compression Test

The A&P was doing a compression check on the very same Cozy III engine. I had no idea how these were done. They take out the top spark plugs and screw in an adapter for a compression tester and an air hose. They apply 80 psi to the cylinder while HOLDING THE PROP at top dead center.

Well, the prop slipped out the assistant's hand. The other end swung around, slicing him from under the chin to the top of his forehead. Took over 300 stitches to close him back up. The prop knocked him for a loop, and in falling he broke his ankle. He had surgery to install two plates and

6 screws to repair his ankle. He's lucky he didn't get killed.

I thought this was an isolated event until I talked with another A&P in the row of hangars next to me. He removed his ball cap to show me where an RV prop had scalped him just three weeks earlier while doing a compression check! The prop got away from him, too, and literally one-third of his scalp was lifted off his skull.

So, yall be careful out there. Wayne Hicks

Alas, we now have too many members to fit on this one page. You can go to the EAA 309 member list at http://www.eaa309.org/ We encourage everyone to invite a friend to be a guest at any of our upcoming monthly meetings or fly-ins. EAA and Sport Aviation is beginning a new, exciting era that makes it much easier to fly and own an airplane.





CHECK OUT THE NEW TECHNI-CAL COUNSELOR AND FLIGHT ADVISOR PAGE AT WWW.EAA309.ORG

You're at that point in your homebuilding project when a second set of eyes looking over your work sure would be comforting. I can hear the questions in your mind:

Did I really do this right? Does that look right?

It doesn't matter whether you've just finished your wing rib jig or made the first glass layups, if you're feeling insecure; there are people in our chapter who can help you.

People who've been there and done that, people who know the marvels of the aviation world, like the back of their hand. People who can pat you on the back and say, "No, seriously, it looks fine," or say, "Have you considered doing it over?" This is a vehicle in which you're going to defy gravity; it's obviously better to be safe than sorry.

What you need is an EAA Technical Counselor! These folks are experienced, volunteer advisors who want to share their knowledge and expertise with you for nothing, free, gratis, zippy! That's a pretty good deal and they're nice folks too.

The following people in the Charlotte area are registered EAA Technical Counselors.

Kent J. Ashton-Concord, NC EAA 309 Home - (704) 784-1874

Glenn R. Babcock-Mooresville, NC

Home - (813) 505-6027 Work - (813) 604-2637

Roland L. Brown-Cornelius, NC EAA 309

Home - (704) 892-5122 Work - (704) 301-4262 David E. Burgess-Concord, NC Home - (704) 786-8289 Work - (704) 723-1539

Dale W. Ensing-Weddington, NC EAA 309

Home - (704) 243-1129 Work - (704) 953-5791

Andrew Moscarelli-Mooresville, NC EAA 309

Home - (704) 664-3842

Work - (704) 226-2301

Ronald P. Murray-Mooresville, NC EAA 309 Home - (704) 663-5521

Stan M. Shimkus-Charolette, NC Home - (412) 607-0546

Neil Stewart-Charlotte, NC EAA 309 Home - (704) 649-2938

AND CONGRATULATIONS TO OUR NEWEST TECHNICAL COUNSELOR RON MURRAY!!!!



The **North Harbor Club** Restaurant & Bar is located in Davidson, North Carolina at Davidson Landing (from I-77, exit 30). World class dining is complimented by the waterfront ambience of Lake Norman. Open for lunch, dinner and Sunday brunch, the North Harbor Club offers fine cuisine using fresh ingredients and the perfect touch of our Executive Chef.

HIGHLY RECOMMENDED - the Editor.

http://www.northharborclub.com/



We Need You!



As always Chapter 309 is looking for new members. This page should be removed and given to a potential member.

The form can be used to pass along enrollment information about the EAA and this chapter.

About the EAA

The EAA is for both pilots and non-pilots who are interested in the dynamic world of flight. The organization, founded in 1953, offers activities for the entire family on the local, regional and national levels. EAA also offers support programs for those who are building and restoring aircraft.

The EAA is dedicated to serving all of aviation by fostering and encouraging individual participation, high standards and access to the world of flight in an environment that promotes freedom, safety, family and personal fulfillment.

If YOU like airplanes and the people who fly them, **EAA** is for you! For only \$40 you can be a member of EAA (\$58 outside the U.S. and Canada). EAA offers something for enthusiasts of every age and interest - pilots, designers, builders, dreamers and doers -

anyone who enjoys the unique freedom made possible by flight. All are welcomed into EAA's growing family.

Call the EAA Membership
Department at 1.800.Join EAA
(1.800.564.6322) or visit www.eaa.org

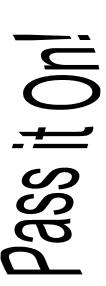


EAA Chapter 309 Enrollment Form

Name:		Spouse
	Family	
Address:		Membership? (Y) or (N)
City:	State:	_ Zip:
Phone:	(H)	(W)
E-mail Address:		
Pilot Rating:	EAA Member Number:	
Aircraft Owned(?):		
Current Project(?):		

Membership is open to anyone interested in aviation. Dues are \$25 per year. Mail Enrollment Form with Check payable to EAA Chapter 309 to:

Sam Stewart 13916 Sledge Road Charlotte, NC 28278 704-588-0776





• NOTICE: The EAA 309 Monthly DIN-NER MEETING will be held at 7:00 PM, Monday - May 15 at the Captain's Galley Restaurant, 11032 E Independence Blvd, Matthews.

 John Meslonka -B1 navigator will be our speaker.

Call John Wigney at 704-664-4167 for more information.

