



# NavCom

June, 1999

NEWS AND  
INFORMATION  
FOR THE  
GWINNETT  
COUNTY  
CHAPTER OF  
THE  
EXPERIMENTAL  
AIRCRAFT  
ASSOCIATION



## Hangar Dance 1999

by Margaret Wilcox

The 4th annual World War II Hangar Dance sponsored by Chapter 690 held on Saturday night May 15th was another great success. The large GBD Hangar on the south side of Briscoe Field provided the perfect setting and included space for the famous "Cannibal Queen", the original Steven Coonts Stearman to be parked in one corner. The red white and blue decorations which included balloons, stars, twinkling lights and beautiful table centerpieces set the scene for a nostalgic evening. The 19 piece Atlanta Blue Notes again proved they can play the best music from the 40's and 50's. The dancers, many of whom were dressed in period costume, took advantage of the big band sound to entertain with classy jitterbugging and smooth two step. The desserts were delicious and the beverages refreshing. The weather man cooperated providing a pleasant evening. Some couples took advantage of the open hangar doors to dance on the

tarmac under the stars. Prizes were awarded to the best dancers and those wearing the most authentic and attractive period costumes.

As with all Chapter 690 events this was a joint effort of many members, each lending their talents, which when combined accomplished another miracle. Providing leadership were Jeanne and Chuck Miller, Social Chairpersons. They also took care of reservations and supervised the making and hanging of the decorations. Bob and Lynn Zahner were responsible for the desserts and beverages. Joel Levine was publicity chairman and Lnor Levine took care of the tickets. David Posey arranged for the stage, extra tables and chairs. Steve Ashby, dressed in tux, again proved one of his talents is to be the Master of Ceremonies. Many other members also contributed.

It took 5 pick-ups and lots of strong arms to move all the tables and chairs and the stage from the chapter building to the GBD hangar and then to move them back again on Sunday.

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# The NavCom

The NAVCOM is the official monthly newsletter of EAA Chapter 690 serving its members and other persons interested in the advancement of Aviation.

Original articles, art, and photos are invited and encouraged. Submit articles in ASCII or Word format and pictures in any format via email to: [jdreed@mindspring.com](mailto:jdreed@mindspring.com)

or mail to:

**Joe Reed**

**3585 Spring Valley Dr.  
Loganville, GA 30052**

## **Deadline for submissions is the Last Sunday of the Month**

THE NAVCOM is created on a Pentium II 350 computer using Microsoft Publisher 98, and is produced on a **Minolta DI-620 Copier**. Thanks to Alan Langford and Minolta Corporation for printing the NAVCOM each month.

Also thanks to Larry Bishop and his merry band who fold, staple, mutilate and mail the NAVCOM each month.

In keeping with the spirit of all aviators, permission is hereby granted for the reproduction of the NAVCOM articles by other EAA Chapters provided proper credit is given to the author and to the NAVCOM.

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# President's NOTAM

by Frank Wilcox

After more than two years of planning, fund raising followed by a review by the Gwinnett County Building Department we are finally going to see the dust fly, steel erected, walls built and lights turned on in the interior rooms of our chapter building. Not instantly, but hopefully by our December Holiday Party. The Trustees approved a construction schedule presented by Tim Fulmer, that if followed, will permit final county inspection by October 18. Nearly all of the Phase I, II, and III tasks will be completed leaving only Phase IV, the interior finishing of the mezzanine level for later. Steel for the structure will be delivered June 21. Rearrangement of the food service and equipment storage areas will be made following the June pancake breakfast. It is planned that the construction will have minimal impact on chapter programs throughout the summer. All members are encouraged to help with the labor; contact Greg Jannakos (770-967-0716) when you have some time to volunteer.

A final financial report has not yet been received from Oshkosh showing our earnings from the B-17 visit, but they should be substantial. Flying on Friday April 30th was scrubbed, due to the weather, but the skies cleared on Saturday and Sunday May 1 & 2 so six full flights were made both days. In addition the ground tours, merchandise sales, pancake breakfast and lunch sales were all successful and will add to our income from the event. Of more significance though was the hundreds of visitors who either had the opportunity to ride in the B-17, tour the interior while parked or just come to the airport to see a very rare WWII bomber and talk to others about it. Among these were a few men who flew or maintained the combat aircraft and others whose fathers or other relatives had flown in a B-17. What an opportunity our chapter provided. Thanks to all members who helped make this major chapter event such an outstanding success. The crew who came with the airplane had great praise for the way Chapter 690 plans and executes these visits. They say we are one of the best and they like to come back to Gwinnett County because we do such a good job. Maybe we'll get a return visit next year.

Close behind the B-17 visit on May 15th was our 4th annual Hangar Dance. - another smashing success. In our new location we could accommodate a large crowd (even more than we had) with ease and comfort; something that was impossible in our own chapter building. With the original Steven Coonts' Stearman "Cannibal Queen" in the background, the Atlanta Blue Notes on the band stand to provide the big band sound, the many dancers in period dress, it would only take a little imagination to take a person back 55 years into the past. For those of you who missed it, there is next year. Thanks to Jeanne and Chuck Miller and their committee for an enjoyable evening. Special thanks to all the chapter members who worked. Moving the operation across the runway required some special effort in moving equipment which included additional chairs, tables and the portable stage which David Posey arranged for us to borrow.

Engrave serial numbers and other information on avionics chassis, cover instrument panels with a blanket (when parked) and don't buy avionics without checking stolen avionics lists. This is some of the advice offered by Mario Mercier, speaker at our May meeting. He represents General Aviation Security Consultants. Theft of aircraft avionics is BIG business. A large quantity of stolen avionics was recovered from vendors at Sun (En Fun) this year. If you missed this presentation, talk to some of the members who attended. What you learn may prove to be valuable. A brochure with more information is posted on the bulletin board.

June 12th is the Annual International Young Eagles Rally Day. Chairman Bill Coleman requests members who are able to provide flights and ground support to contact him as soon as possible. Also please contact Bill if you know of a child or group of children ages 8 to 15 who would like to fly that day.

Joe Friend has agreed to be our new Hospitality Committee Chairman. We thank Karen Roberts for serving this past year and regret that she can no longer be chairman.

*continued on page 3*



## Presidents Notam continued from page 2

Chapter 690 has the reputation of being a "friendly bunch" and one way to keep this alive is for all of us to consider ourselves part of Joe's committee and make guests and new members feel welcome. Wear your name tags and introduce yourself to unfamiliar faces at all our events.

Bill Curtis, Program Committee Chairman, has started the planning for another successful Fall Fly In, October 2nd. You will be hearing more about these plans in future newsletters and at our meetings. If you have a special interest and want to be a part of the planning committee, please give Bill a call - 770-339-9346.

Finally, I urge all members to review the booklet we recently received from the EAA Aviation Foundation describing the new Vision of Eagles program. The financial support requested will be directed toward activities and programs that encourage children and youth to become interested in aviation. Vision of Eagles is planned to be the next step beyond the Young Eagles program. Additional information can be found in the May issue of Sport Aviation.

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## Hangar Dance continued from page 1

The Sunday crew also cleaned up the GBD hangar and then set up the chapter building for the next event.

The decorations were all hand made and could not be hung until the day of the dance.

During the dance volunteers were needed to serve the food, take the tickets, judge the contests. It was a major group effort that was appreciated by all our guests and our own members.

The chapter appreciates the cooperation of GBD who allowed us to use their hangar and the Flying Machine Restaurant, also located in the same building, who provided discounts on dinners purchased by ticket holders and made us feel welcome.

Chapter 690 has established a tradition that is becoming an annual event. If you missed it, you can look forward to next year.



## WE NEED YOUR BODY, AND MIND, FOR A HELPING HAND

We've been waiting for the Hanger Mezzanine for a long time, and now it's time to step up and volunteer for helping with the construction. We badly need anyone who is willing to spend a little time and lend their muscles to help with the various work crews. We especially need anyone with construction know-how, such as concrete, welding, building decks and stairs, etc.

Following is a list of the construction tasks with tentative dates, along with the person to contact. Don't be afraid to volunteer. Try it, you'll like it.

**Task:** Foundation & Concrete construction  
Contact: Don Roberts, 770-888-6238  
Tentative date: Week of June 14th

**Task:** Metal Stud & Drywall Installation  
Contract: Duane Huff, 770-921-4423  
Tentative date: June 14th through Sept 26th

**Task:** Steel Erection  
Contract: Tim Fulmer, 770-962-7837  
Tentative date: June 21 through July 30th

**Task:** Install Doors & Windows  
Contract: Mike North, 770-935-8185  
Tentative date: Aug 23 through Oct 1st

**Task:** Exterior Wood Stairs Installation  
Contract: bob Zahner, 770-822-0776  
Tentative date: Week of Sept 6th

**Task:** Drywall finishing  
Contract: Duane Huff, 770-921-4423  
Tentative date: week of Sept 27

**Task:** Painting  
Contract: Greg Jannakos, 770-277-1637  
Tentative date: Week of Oct 4th

**Task:** Electrical installation  
Contract: Dave Posey, 770-442-0988  
Tentative date: July 12 through July 25th

If you are a new 690 member here is your chance to get involved with improving our facilities and get to know the other members.



# Minutes of EAA Chapter 690

## May 1999 meeting

Wayne Whitaker, Secretary

Discussion and planning for hangar dance scheduled for the following evening.

It was decided that volunteers should arrive at the chapter meeting house at 9 a.m. Saturday to begin moving chairs, tables and other equipment to the GMD Aviation hangar in preparation for the hangar dance. Sunday morning meet at 10 a.m. at GMD to begin moving equipment back.

The code will be activated Monday, May 16, 1999, on the new pushbutton lock on the chapter hangar door. Chapter members with keys have been notified of the code number. Both personnel doors in the hangar must remain unlocked any time the building is occupied, to meet fire codes.

Chapter 268 in McCollum has requested pilots and ground support help for their Young Eagles day on Saturday. Many Young Eagles expected there this weekend.

A reminder that Saturday, June 12, is International Young Eagles Day.

The next chapter pancake breakfast program will be on TIG welding, presented by aircraft designer, kit manufacturer and noted aerobatic pilot Fred Meyer.

Vice President David Haskell introduced the speaker for the evening, Mario Mercier of General Aviation Security Consultants, which works to recover stolen aircraft and avionics.

Minutes of last chapter meeting accepted as published in the NavCom.

Vice President gave a report on chapter activities during the recent visit of the EAA B-17, Aluminum Overcast. The bomber was quite popular as always, and most, perhaps all, seats were filled on every flight. Although final figures are not in yet, the chapter clearly made money during the visit.

Tim Fullmer gave a report on the interior work planned for the chapter meeting hall. We have a construction permit from the county, steel has been ordered and should arrive June 21.

Promotion and Publicity Chair Joel Levine listed the first-Saturday pancake breakfast programs for the rest of the year: June 5, TIG Welding; July 3, Airplane Wash; August 7, Aviation Journalism; September 4, Painting Your Airplane; October 2, the Bi-plane Fall Classic; November 7, Flying Start program; and December 4, What's New in Avionics.

Membership Chair Dale Schonmeyer reported that as of meeting night the chapter has 182 paid members.

Treasurer Lnor Levine reported that the "square foot" campaign to pay for hangar interior is going well, with finances in hand for more than half of all planned phases of construction.

The chapter watched EAA National's "Vision of Eagles" video.

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## Georgia Aviation Academy

Now in its second year, the Georgia Aviation Academy will once again provide an aviation day camp for metro Atlanta kids ages 9-14. Sponsored by Lockheed-Martin, the Academy is physically housed at SciTrek Museum, a hands-on science and technology museum in downtown Atlanta. Two sessions are planned, July 26<sup>th</sup> - 30<sup>th</sup> and August 2<sup>nd</sup> - 6<sup>th</sup>. Subjects include aerodynamics, principles of flight, hot air balloons, aviation history, careers in aviation, and others. A field trip to Lockheed-Martin's Marietta facility will include tours of the production facility, a visit to the wind tunnel, as well as flight line tours.

A multi-chapter EAA Young Eagle Rally will complete the GAA experience, to be held at Atlanta's Fulton County Airport west of the city August 7<sup>th</sup> (rain date August 14<sup>th</sup>) EAA Chapters 268, 690, 976 and Warbird 017 are hosting the event, as well as providing volunteers and resources for the camp itself.

For information about the Georgia Aviation Academy, please contact Director Pilar Kornegay at 404-522-5500, ext. 135 or by e-mail:

[pilar.kornegay@mlksys.atlanta.ga.us](mailto:pilar.kornegay@mlksys.atlanta.ga.us) Anyone interested in becoming a volunteer for the day camp, or flying Young Eagles can contact Sue Adams, 770-613-9501, e-mail [msadams@mindspring.com](mailto:msadams@mindspring.com) or Liz Ellis, 770-569-4613, e-mail [lizellis1@msn.com](mailto:lizellis1@msn.com)





## We Get Letters

(Saul Kupferman and Roy Marberg were with us during the B-17 visit along with the model of the "17" and there many, many stories.)

Dear Joel,

Roy and I had lots of fun Saturday. met many interesting people and did a great deal of chit chatting! You and your group are doing a fabulous job and all of us appreciate your efforts in remembering what us 'olde timers' did waaaay back in the 40's. Sometimes I think of us as dinosaurs of a lost age. Seeing the B-17 was a thrill, as always, and brings back many memories...fortunately our entire crew survived the 30 missions without a scratch and we have kept in touch all these 50 odd years - right now only 4 are living and we try to meet about every year or two! We will try to keep in touch and maybe one of these days you will invite me to fly with you? Joel, you know your wife is a jewel right?

Best to you both..

Saul

Editor - Tall Tales

The Eighth Air Force Historical Society

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## Aviation Explorer Post 533

By Steve Haslup

May was jam-packed with great meetings and activities. Our first meeting in May concluded the series on navigation training with the use of the E6B to calculate wind drift, groundspeed and flight segment times. The Explorers used this information to complete their flight planning for a flight from LZU to Macon, then to Milledgeville, and back to LZU. After navigation, the Post elected officers who will take office in June (the election results were held until the next meeting). Finally, the Explorers were given an introduction to aerobatics including a discussion of maneuvers, the Aresti symbols used to represent those figures on paper, a description of the aerobatic box and the methods used for judging. Two local aerobatic planes were parked outside the hanger for the Explorers to examine.

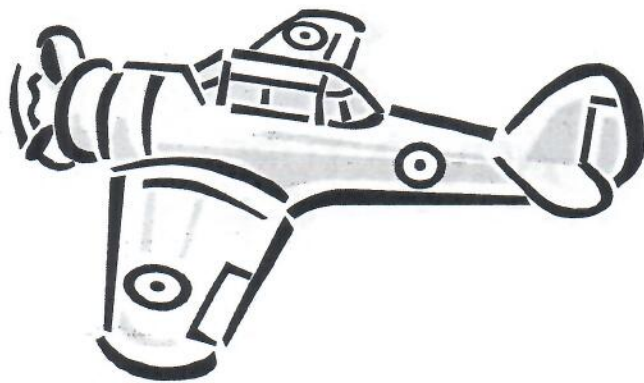
On Saturday, May 8, a number of Explorers attended the Georgia Tech Flying Club Fly-In at Jackson County Airport. After judging the Georgia Tech flyers in the spot landing and balloon drop contest, our Explorers were able to participate in their own balloon drop contest judged by the Georgia Tech students. Marcus Strickland of Astron graciously gave some of his time to fly a Cessna 172 with the Explorers, who were each able to drop two balloons at the target.

Our second May meeting consisted primarily of the presentation of Post Awards and enjoying snacks and refreshments as we reviewed the past year, and discussed plans and ideas for next year.

Our new officers were announced; they are Robbie Morris (President), Natalie Johnston (Vice President) and Colin Higgins (Secretary-Treasurer). We recognized outgoing President Ansley McGarity, and past President of the Post and of the Council Explorer Officers Association Scott Haslup. We watched videos of some of our activities during the year, and gave awards for highest attendance, balloon drop (the closest was 15 feet), radio-controlled airplane leadership, rocket science and paintball strategy.

Our two most active high school seniors were very successful pursuing their college goals. Scott Haslup was offered appointments to the Air Force Academy, Naval Academy and West Point. He has selected the Air Force Academy and will report to the Academy near Colorado Springs, Colorado on July 1, 1999 for six weeks of basic military training before school starts in mid-August. Ansley McGarity was awarded an Air Force ROTC scholarship and will use that scholarship while attending the University of Miami beginning this fall. Our Post is very focused on helping youth determine and qualify for the best possible training they can find for the career they are pursuing.

Our twice-monthly meetings will begin again in September. This summer the 24 Explorers who qualified will participate in cross-country flights to utilize the navigation skills they learned this Spring. Larry Bishop of the Chapter has agreed to help me with these flights, and I could use additional help from anyone who can carry two Explorers per flight. We will also continue to work on the wing ribs to complete the wing we are building, and attend some special aviation events that occur during the summer. If you know of some youth who might be interested in being a part of the Post, have them visit our web site at [www.accessatlanta.com/community/groups/post533](http://www.accessatlanta.com/community/groups/post533), or get there from the Other Great Sites section of the Chapter 690 web site, or call me at (770) 931-1631.







# Events Calendar



**June 5** Gwinnett County Airport (LZU) Lawrenceville, GA EAA Chapter 690 First Saturday Pancake Breakfast 8-10:30AM and TIG Welding Seminar. Contact Frank Wilcox 770-978-2403 frankwil@mindspring.com or Sue Adams for details. 770-613-9501 or msadams@mindspring.com



**June 5** Knoxville, TN. Fly-In Lunch 423-577-4461



**June 5** Pensacola, FL EAA Chapter 485 Gourmet Breakfast/Young Eagles. 850-458-1926.



**June 5-6** Asheboro, NC PFAC Flying Museum Warbird Airshow 336-625-0170



**June 12** EAA Chapter 690 Young Eagles Flights in celebration of International Young Eagles Day. For information contact Bill Coleman 770-978-0196 AA4LR@radio.org Or Duane Huff 770-921-4423 duanehuff@yahoo.com



**June 12** EAA Chapter 709 Rome, Georgia Monthly Pancake Breakfast



**June 19** Huntsville, AL EAA Chapter 190 Fly-In Breakfast 256-852-9781.



**June 26** Challenge Air For Kids Fly In, Nashville, TN. Contact Lonna Harris at lharris@cyberramp.net



**June 26** Brazil, TN EAA Chapter 83 Airport Day/Casr Show 812-442-0624.



**July 3** Gwinnett County Airport (LZU) Lawrenceville, GA EAA Chapter 690 First Saturday Pancake Breakfast 8-10:30am and Airplane Wash. Contact Sue Adams for airplane wash reservations 770-613-9501 or msadams@mindspring.com



**July 3** Hays, NC Annual Fly-In Wilkes County Airport, An Independence Celebration 336.957.8991.



**July 9-11** EAA 611 Gainesville, GA (GVL) 31<sup>st</sup>. Annual Cracker Fly-In Lee Gilmer Memorial Airport. Dinner at The Fish House Friday evening.

**July 10** EAA 709 Rome, Georgia Monthly Pancake Breakfast



*it's the world of aviation in a single place  
for one week each year.*

**July 28 — August 3**

**Visit the EAA 690 Website at: <http://eaa690.home.mindspring.com>**



## Technical Corner

### INERTIAL NAVIGATION MADE EASY

Some of you know that large commercial airliners navigate the skies with something called an inertial navigation system, or INS. But do you know how they work?

Here's a simple, logical explanation.

An inertial navigation system knows where it is because it knows where it is not (or where it isn't from where it is, depending on which is greater). The system uses deviations to generate corrective commands to drive the aircraft from where it is to where it wasn't.

Now the aircraft arrives at where it wasn't, and where it was is now where it isn't.

In the event that where it is now is not the same as it originally wasn't, the system will acquire a variation, which is the difference between where the aircraft is and where the aircraft wasn't.

Moreover, the aircraft must now know where it was. Because a variation has modified some of the information which it has obtained, it is not sure where it is. However, it is sure where it wasn't, and it knows where it was. It now subtracts where it should be from where it wasn't (or vice versa), and by differentiating this from the algebraic difference between where it shouldn't be and where it was, it is able to obtain the difference between its deviation and variation. This difference, of course, is called "error".

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### AirVenture 99 West Ramp Displays Preview

The name "West Ramp" is synonymous with 'center stage.' Established in 1987, the West Ramp is the focal point for AirVenture highlights and major themes. On the West Ramp you will find featured aircraft, along with interesting and exciting personalities and stories, that will keep you immersed for hours.

The aircraft displays that you will find there can hardly be considered static. Each day, many of the aircraft crews are available to talk about their particular aircraft, its purpose and history. The crews interact with you to provide a unique perspective of the airplane and the people involved with it.



## Young Eagles Report

By Bill Coleman

Our next Young Eagle rally is SATURDAY June 12, 1999 at 9 am. It is not June 13, as I previously wrote.

Many fascinating and impromptu stories begin when someone in the crowd steps forward to reminisce about their experiences in that or similar aircraft. Equally exciting is that walk-through tours are available on many of the larger aircraft.

This year, one unique feature of the West Ramp is the 'Tribute to Airshow Performers-Airshow Legends.' A number of activities are planned each day, including performer interviews, question and answer sessions and opportunities for autographs. Don't miss your chance to see her and photograph the performers and their aircraft close-up.

Here are just a few of the aircraft you'll see on the West Ramp this year:

#### Airshow Legends:

Features a variety of the most widely recognized, high performance aircraft in the airshow industry and the pilots that fly them.

#### Sikorsky S-38:

Owned by SC Johnson Wax, this airplane is a replica of the aircraft that was used on the company's Carnauba expedition to South America in 1935.

#### Military Aircraft:

A variety of current military aircraft including a C-130, F-16, F-18, Harrier and T-38.

#### Boeing B-17:

Owned and Operated by the EAA Aviation Foundation, 'Aluminum Overcast' is one of the few remaining B-17's still flying. Historical Society Flights will be offered most mornings and walk-through tours available each afternoon.



# Classifieds

**Wanted:** One or two partners for my Ercoupe. If interested call Greg Jannakos 770.277.1637 after 5:00PM or [gjpjann@mindspring.com](mailto:gjpjann@mindspring.com) **ALSO Wanted:** 12V Transponder and encoder.

**Hangar Space Needed:** For Completion of my VELOCITY XL RG (N203SM to be) project I am seeking Hangar space for January 1, 2000 for final assembly (put on wings) and testing certification. I hope to find space and assistance at our Chapter EAA690 at Brisco Field. The project is now approximately 10% complete; Airframe will be complete (in prime) August 15, 1999. A project visit will be scheduled for Mid-September 99 at my home in Snellville/Lithonia. Expected flights should commence in January 2000. Please contact John Leder at (770) 785-7720 or E-mail me: [j42al@aol.com](mailto:j42al@aol.com)

**For Sale:** Zenair Super Zodiac HDS (speed wings) Taildrager, Airframe 90% complete, leading edge wing tanks option, strobe and light kit, wheel pants, many extras, Jabiru 3300 (120 HP) engine with mount. Gregg Howell 770-995-6527 [ghowell56@aol.com](mailto:ghowell56@aol.com)

**Wanted:** Project Cub, Chief, or Champ. Flying (But Needing Work) or Non-flying ok. Leave a message at 678-376-0482 or email [SaundersJS@aol.com](mailto:SaundersJS@aol.com)

**For Sale:** Two KR2 projects complete through boat stage and on gear. Most controls installed, cowls, header tank and canopy. Zero time HAPI 1834 cc aero converted engine with mount, prop and exhaust. Have plans, 10 years of newsletters and uninstalled Dan Diel fixed landing gear. \$5000 OBO, Consider trades – looking for metal project suitable for Jabiru 80hp engine. Ron Dewees 404-876-3481, e-mail [Rdewees@juno.com](mailto:Rdewees@juno.com)

**For Sale:** RV6A 0-320 C/S prop 100 hrs. total time engine and airframe. Can be seen in EAA hanger #4, Charlie Patterson 770 9384131 or [charliepatterson@mindspring.com](mailto:charliepatterson@mindspring.com), price negotiable. Possible trade for J-3 etc.

**For Sale:** I have some virtually new metal tools available for sale including a Pneumatic squeezer with three different heads, hand squeezers with two heads, rivet gun with many sets 2X, and much more. Also for sale is a beautifully build RV 8 empennage with electric trim and Variprimes interior. Call Carl Bell 770 263 7998 for information or inspection

**For Sale:** 1964 Cessna 150D. 9350 Total Time, 195 since major overhaul. Equipped with Narco NCS-812 (760 channel digital Comm, VOR, ILS, GS, DME) Transponder/Encoder, spin-on oil filter. November 1998 annual. New seat upholstery. Flies well, needs paint. \$14,000 OBO. Contact Bill Coleman 770 978-0196 or [aa4lr@radio.org](mailto:aa4lr@radio.org).

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June Meeting  
Friday, June 11  
8:00pm at the Chapter Hangar

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