



UPDRAFT

Newsletter of EAA106
Greater Boston Chapter

We Build
Airplanes!

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EAA 106 March 2004 Meeting

Friday, March 5th, 6:30pm
**At the Avidyne Corporation, Near
Hanscom Field**

Meeting Program

Visit to Avidyne Corporation next to Hanscom Field. Sales Manager Jamie Luster will show us many of their line of integrated avionics products and tell us how they are revolutionizing the future of general aviation.

For a preview see www.avidyne.com

2004 DUES ARE OVER DUE!

If you didn't pay dues, you will be dropped from the chapter mailing list -- with this newsletter being your last. To renew your membership please contact the Chapter Treasurer, Ed Dokus, to pay your dues.

Welcome – EAA Chapter 136 has dissolved and we'd like to welcome former 136 members to join Chapter 106.

Welcome to Avidyne



Directions to Avidyne:

- Take Route 128 (I-95) to Route 2A West (Exit 30-B) towards Hanscom Field and Concord.
- Go approximately 1.5 miles to a flashing yellow light. At the flashing light take a right onto Hanscom Drive following signs to Civil Air Terminal (Note: as of this writing there is construction at this intersection and can take a little extra time to get through).
- Bear left at the first fork in the road. Go through STOP sign (after stopping, of course!). You will then see a large blue sign that reads, "CIVIL AIR TERMINAL". Take a left onto Old Bedford Road (at the intersection before you go down the hill to the Civil Air Terminal).
- Lincoln North is approximately 500 yards up on your left.

Remember: 6:30 PM start time!

Notes from February 2004 Meeting, as written by Alan Cate, Chapter 106 Vice President

Chapter Member Joe Ryan made a very interesting and engaging presentation about how to use his vinyl cutting computer controlled equipment for making components used in sign making. One idea is to put 2' high EAA-106 "letters" up at the peak of the hanger. Penny Bowman will photo the hanger and measure it so that we can have a better idea of the scale we can work with. Perhaps we can add Chapter 106 of Greater Boston in big letters, and use the new EAA logo up at the peak. So many ideas got generated for the new hanger sign, that it was decided to pursue the ideas further and discuss the design concepts some more at our next meeting.

Upcoming Events:

AOPA Air Safety Foundation Seminar, March 10, 6pm – 9pm, Renaissance Bedford Hotel, 44 Middlesex Turnpike, Bedford. “Learning from the Mistakes of Others” with Bruce Landsburg, see www.asf.org or http://www.airsafety.org/html/march_2004.html. Cosponsored by the Aero Club of New England and the FAA.

EAA Sun ‘n’ Fun 2004, April 13-19, “The 30th Anniversary of the Spring Celebration of Flight”. See www.sun-n-fun.org or Sport Aviation Magazine for more details.

Event, Fly-In Commemorates Boston-Harvard Aero Meets

The Harvard-Boston Aero Meets of the 1910s and the life of Harriet Quimby, first woman aviator, will be celebrated at the Air May Fair on May 29-30 at Plymouth (Massachusetts) Airport (PYM). The event features a fly-in for New England EAA Chapters. Emerging technologies, including hydrogen fuel cells, biogas, solar, wind and other renewable sources of energy and their application in vehicles and buildings will be presented. Event proceeds will benefit not-for-profit aviation and technical education. For more information, contact Sergio Quadros-Anaya at 508/747-7748, sergio@aeronautica.tv, or visit www.aeronautica.tv.

Owls Head Transportation Museum, numerous events through the year, get details via www.owlshead.org or call (207) 594-4418

2004 AirVenture Cup “Speed Dash”, July 25 -26, Dayton to Oshkosh Air Race for home built aircraft. See <http://www.airventure.org/2004/avcup/index.html> or Sport Aviation Magazine for more details.

EAA AirVenture Oshkosh 2004, July 27 – August 2, “Launching the Next Century of Flight”. See www.airventure.org or Sport Aviation Magazine for more details.

EAA Chapter 106 (That’s Us!) Executive Board Meetings, Held monthly or as necessary. Chapter members are always welcome to attend. Contact chapter president Penny Bowman to get on her notification list.

Editors Note: Chapter member Joel Ventura provided me this list from a news group we’re both members of. Take a careful look at this list and notice how many of these are preventable.

The Top 10 Causes of Piston Aircraft Engine Emergencies (taken from the most recent FAA archives):

10. Major Internal Failure (caused by metal fatigue).
9. Lubrication Leaks (loose oil filler caps).
8. Induction System blockage (nests).
7. Ignition problems (fouled plugs).
6. Miscellaneous Maintenance problems (missing bolts and nuts).
5. Cylinder Valve failure (improper leaning)
4. Fuel System problems (biggest problem was switching to off position).
3. Carburetor Icing (not keeping an eye on OAT and Dew point).
2. Fuel Contamination (water or JetA)

And the #1 cause is....

...#1. FUEL STARVATION/EXHAUSTION

Editors Note: Notice how many of the top items are fuel related and 9 out of the 10 can be traced back to the operator (pilots and mechanics, often the same person when it comes to homebuilts)!

Seen at Oshkosh, written on a Port-A-Potty: "I could have been a Glasair"!

EAA's B-17G "Aluminum Overcast" at Lawrence Airport, August 2003



Last August, when we hosted the EAA's B-17, did you ever wonder what all those markings on the tail stand for? The crew filled us in:

The "W" in the triangle is for the 398th Bomb Group (Nuthampstead Air Field)

The "30" is for the 601st Bomb Squadron

The "H" is the specific aircraft in the squadron

Further information on 398th BG can be found at <http://www.398th.org> and info on Nuthampstead Air Field can be found at <http://www.station131.co.uk>

B-17 of the 398th Bomb Group, 601st Bomb Squadron over Europe – c. 1944



Thanks to Mac Knapp for pointing this out: Glastar flutter story in Sport Aviation
The February 2004 Sport Aviation article "Fixing Flutter", page 91, is by GlaStar flyer Dick Blevins of Candia, NH. He found that flexibility in a nylon block in the stick support caused the violent and damaging flutter that he experienced. Our Glastar contingent will check this out carefully.



Start Planning for Oshkosh 2004 now!

See www.airventure.org for event, travel, and housing planning material





Remember the February 2003 chapter visit to the E-Plane (the world's first Hydrogen powered airplane) at the Worcester Airport?

The E-Plane project (fuel cell powered electric airplane) needs volunteers and needs a project manager. Interested people can look at the website www.aviationtomorrow.com for more information. Call Jim Dunn at 508-560-9421 to volunteer and to discuss with him the Project Manager's job. Mention Alan Cate's name when you call him. He would like to get this project completed in time to take the plane to Sun-N-Fun in April. Utilizing the WPI volunteering students is not working out because of other projects that these students have. My guess is that Hoot Gibson will need to wait until after Sun-N-Fun to start (and complete) the very extensive testing/flying program that has already been prepared.



Winter Flying: Let's Be Careful Out There (or why a low wing airplane might make more sense)!

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This **NEWSLETTER** is for **COMMUNICATION** and **ENLIGHTENMENT**, but should **not** be relied upon as absolutely correct in content.

DUES ARE DUE THIS JANUARY

If you haven't paid, you will be dropped

Mail your dues to Chapter Treasurer:

Ed Dokus (address Above)

\$20.00 for the E-Mail Newsletter

\$23.00 for the Snail-Mail version

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