



EAA CHAPTER 83

Terre Haute, IN.



A Non-Profit Organization operated for the Advancement of Aviation Education, Homebuilt Aircraft, and Private Aviation and dedicated in the memory of John Blouch and Garland Wadsworth

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From Your President - Keith Welsh

Hello again everyone.

It's been a while since we last visited, not because we're lazy but because the meeting plans we had for January and February either were canceled or developed later than expected. One, the Smiths Aerospace Tour, got delayed a month due to a work load issue with the operations manager who conducted the tour, and the other never materialized which was to be a joint trip to the USAF Museum in Dayton with Chapter 650 in Bloomington. We're still trying to get that one on the calendar too.

We finally did tour the Smiths Aerospace facility in Terre Haute on 14 March and what a dandy it was. I'm here to tell you there is one chunk of high end technology that comes out of that facility. Terre Haute is very lucky to have them. Bill will have the complete story with pictures later.



And still another that gave way to scheduling is our program for this month. We will welcome Dr. Keith Baird to speak at our next meeting. Dr. Baird was the head recovery team flight surgeon for Apollo 13. His stories from his years with NASA and in particular Apollo 13 will amaze you. In visiting with him I was particularly impressed with the medical issues both physically and mentally the moon flight astronauts faced upon their return to earth. They just didn't see the

earth and all the issues we humans bring upon ourselves as they did before. Remember Jim Lovell reading from the book of Genesis when they circled the moon in Apollo 8? Makes you think. You won't want to miss this one. Bill will have the complete story later and we need to thank him for his efforts putting together these events, it hasn't been easy.

With spring finally arriving lets all get those planes out. And that about does it for me this month. See ya at the meeting.

Fair Skies,
Keith

The Last Meeting - Bill Foraker

The last meeting was just too cool. As you heard, we toured Smiths Aerospace, the local manufacturer of jet engine components. They make all sorts of parts for many different engines and also make other airframe parts for the F-22 Raptor, as well as armor plating and turrets for the newer armored Hummers.

Marvin Miller, VP for Operations, was our host and one of our tour guides. Sam Lee was the other "volunteer" tour guide, and he says his tour was way better than Marvin's. I was in Marvin's group and it was very good so I may have to go back for another tour to see if Sam really is better.

Smiths uses a variety of machining and shaping methods to produce parts, but I found the most interesting to be their chemical milling processes. They hold tolerances and do intricate cross-sectional machining like few other places in the Midwest.



Our Smiths Tour Guides - on the left, the handsome Marvin Miller and on the right, the super intelligent, Sam Lee.

And the paperwork... As we know from dealing with the FAA, the paperwork for military aviation is staggering. I think some of the routing packages weighed more than the finished parts!



Chapter 83 members at Smiths in front of a cutaway (sort of) turbine engine showing the parts they make

Anyway, it was a great tour and a big thanks to Marvin and Sam for imparting their considerable knowledge on us... Sorry if you missed it. Maybe we can do it again sometime.

From Your Treasurer – John Watler

2006 Dues are due now. Presently we only have 34 paid members, so if you haven't paid for 2006, send me your \$12. SOB will print a list of all paid members in the next newsletter, and if you aren't on it, it might be your last newsletter. Come on, \$12 is a bargain for this great newsletter... Except for putting up with SOB...

Young Eagles Report – Adam Springmeyer

As you know, I am your new YE Coordinator. I already have three people who are interested in YE rallies, so it might be a good year for Chapter 83 and Wabash Valley kids. To help me get organized, if you are interested in flying Young Eagles, please get me your name, contact information, certificates and ratings, and aircraft information, so I can assemble a list of YE pilots. You can email me at aspringmeyer@mymail.indstate.edu or call me at 237-7003 at ISU. Thanks.

Web Report – Jeff Tucker

The web site is going on nicely. The Calendar has been updated with this year's meetings and AirVenture, and SOB is adding other fly-out dates when he can figure out how to log in. All newsletters are posted for the past 2 years, so you can always see if what we did was more fun than what we're doing... We have had some hackers and troublemakers visit, but I've cleaned up their messes and installed special stuff for our special friends...

Recent Sighting – Member News

From Matt Throckmorton - My F1 Rocket is progressing nicely. My Mattituck TMX-540 should be arriving next month. My Grand Rapids EFIS and engine monitor should be here by the end of March. The tail is complete and ready to paint, but removed from the ship. Of course, I'm still working in my walk out basement, and that tail just won't fit through the door. Neither will the landing gear and legs, which were installed months ago and then removed for storage.

Late this Spring I hope to move the fuselage back out to my garage for final fitting of the largest components, except for the wings. I think I may end up installing the wings at home and then removing them for the trip to the hangar for final install. It's pretty nice not having to make that 25 minute trip to the hangar each way. As it is right now, the trip is about 40 steps to my bed. That makes it nice.

The electrical wiring has been started, and the spaghetti behind the panel is starting to pile up. The canopy is finished, the front seat is ready to install. I still have lots of fiberglassing and other work to do, but I'm back on track.

With a little luck, I might be ready for inspection around Oshkosh time, but I won't be attending the show this year. I hope to be ready to fly by the end of summer or sometime in the fall.

SOB, Kelvin Roots, and the Flying Badger...
These three went to lunch about three Saturday's past, and it was quite an adventure. Everyone wanted to fly their own aircraft so there were 4 people and 10 empty seats... But I digress... The troublesome trio departed HUF for BAK with SOB's assurance that the restaurant was under new management and the food was good. He even told us that we were meeting the IN RV Air Force there. The trip was uneventful until we called the BAK tower for landing clearance and the controller asked, "you coming in for lunch?" Of course, SOB's reply was yes, and the controller then informed us that the restaurant was closed. Considerable radio traffic ensued and the squadron diverted/retreated/backtracked to Greencastle and had a nice breakfast/brunch/lunch. Upon trying to depart Greencastle for HUF, SOB discovered his battery would not start his flooded engine... So he got a jump to get going.

To close the story, the restaurant is now reopened and SOB has installed a new Concorde battery (bought locally at Batteries Plus, fyi).

Keith Welsh got the old (and I mean old) C-170 flying again for spring. He's flown twice in the past two weeks, doubling his flying time from last summer... On the bright side, he now get a commission on his own aircraft insurance... What some guys won't do for a rebate!

HUF FBO News

You all may not know that the tornado has forced the relocation of the HUF FBO to the main terminal building. Everything is going fine, even if it may not be as convenient as before. Also, they now have a Cirrus SR20 for rent – glass cockpit and all. It rents for \$200/hr non-ISU and \$185/hr for ISU folks. For now, it's a dual only rental deal, but if you want to go really fast and fly behind a glass panel, here's your chance... Call 877-7600 for details. Of course, there's always the Super Decathlon if you like your fun upside down...

Chapter Business

As Keith mentioned earlier, we almost had a bus trip to the Air Force Museum at Wright-Patt organized, but it came apart at the last minute. Anyone interested in going, please let SOB know and if there's enough interest for spending a Saturday visiting the largest aviation museum in the world, he'll get cracking on it again. It was to be a joint venture with Chapter 650, so it may mean a drive to Bloomington to catch the bus...

ATIS (Communications)

If anyone in the chapter is interested in having one of Mike Burch's Savvy Aviator Seminars held in Terre Haute, let SOB know. He wants to go to one and you know his flying skills are marginal at best, so he'd like one in town. If we can get 10 or so, Mike would come here... You can get more details at:

<http://www.savvyaviator.com/>

These look like great two day workshops for owners who really want to understand the maintenance issues of their aircraft.

You may know our FSS was out of business for a few weeks after the tornado, but they are all happily back in business at HUF.

Local Notams (Upcoming Events)

For your calendar...

April 4-10, Sun N Fun at Lakeland, FL

August 25, 26, 27 – the Annual Luscombe Fly-IN at MTO. Taildraggers everywhere you look...

June 2 & 3, The Quickie Builders/Tandem Wing Fly-IN at the Casey Airport. Go see some cute little plastic airplanes...

September 8 is our schedule chapter meeting at Greencastle. It's also the weekend they have picked for their airport appreciation and awareness event. You can put both in your schedule and we'll see how it all works out.

Sept 16 & 17, 2006 Terre Haute Air Fair, and it's gonna be a big one...



Our buddies the Airdales at the Sacramento Air Show last weekend. I can't tell if they are desperados or just desperate...

Our Next Meeting...

Our next meeting will be at 1 PM at Rose-Hulman in the main building, room E-104. Our speaker will be Dr. Keith Baird, NASA's recovery team lead flight surgeon for Apollo 13. He was the doctor to give the boys their physicals before they left and after they landed following their harrowing experience. He worked as a NASA flight surgeon for all Apollo launches except the first and the last ones. He served in Mission Control for several missions, was the team leader for the recovery team for several others, and worked with the quarantine facility that NASA developed to keep the earth from getting contaminated with Moon dust... He is a fascinating fellow and you will enjoy listening to his presentation. He will also answer all your questions about the medical aspects of going to the moon... Very Cool. Don't miss it. And he recommends watching or rewatching the movie Apollo 13 with Tom Hanks before his talk...

Just the facts...

Saturday, April 8, 2006

Rose-Hulman Campus, Room E104 in Moench Hall – the main academic building.

We'll do our meeting at 1 pm and Dr. Baird will speak after that – approximately 1:30. You are welcome to bring your friends, but the room only holds about 100 people, so get there early for a good seat.

Directions: Enter on the main drive. Take the first right near the end of the main drive at the 4 way intersection. You are the only direction that doesn't stop. Follow the road down the hill and take your first left. Park in the big lot to your right as close to the south end as possible. Walk back up the hill on the sidewalk just to the right of the road you just entered on. Don't go in the Myers or Rotz buildings – come up the hill and enter near the south end of the old red brick building. After you enter the building, you will be faced with stairs – go up two/both flights. When you get to the top, turn Right/north and walk to the other end of this long hallway. When you near the north end watch for a short hallway to your right with a couple of stairs going down. That room is E104. Go in and you'll be at the top/back of the room. Sit wherever you like. If you need an elevator, call or email me for instructions.

Just for fun...



Open for Business...



The first group of F-22 Raptor's arriving at Langley for "regular" duty...