

Oshkosh – Sport Aviation Capitol of the World Oshkosh – Sport Aviation Capitol of the World Oshkosh – Sport Aviation Capitol of the World Oshkosh – Sport Aviation Capitol of the World

**Next Chapter
 252 Meeting**

September 8th

**EAA Chapter 252
 Meeting &
 Corn Roast
 Cook Out**

6:00 PM
 7th Heaven Hangar
 (Wayne Daniel's place)

(Wear Your Chapter
 Name Badge)

If able, bring a dish to pass.



**Chapter Meeting & Corn
 Roast!**
Sept. 8th at 6 PM

September's meeting is also a cook out! Chapter officers are planning to furnish sweet corn, brats and beverages. That covers the basics, but a dish to pass from you is always appreciated!

This year the corn roast will be at Chapter President Wayne's hangar, called 7th Heaven, located on the West end of taxiway Delta.

By car: From Oshkosh go South on Oregon St. (County I) and then go West on Ripple Ave. to Red Oak Ct., go North on Red Oak and you will find their place at the end of the road.

By airplane: Ask OSH ground control for progressive instructions to "7th Heaven", conveniently located off of Taxiway Delta.

In previous years the corn roast was held at Elo Airport, Munsil Williams' farm west of Oshkosh. However, this year circumstances are such that Chapter President Wayne Daniel's offered to host it at his place.



Sept. 13, 1935 – Howard Hughes flies the H1 Racer, and goes on to set the world landplane speed record at 352 mph.



September 10th!
**Chapter 252 Annual
 Fall Pancake Breakfast**



Let's hope for a sunny fall day to hold our annual pancake breakfast and Young Eagle event on **Saturday, September 10th.**

This will be our seventh breakfast to be held at the Wittman Terminal Building in recent years.

Please contact John Egan at 920-419-5631, or e-mail him at 1smilingmoon@gmail.com, or contact any Chapter Board member if you are able to help. We will need about 22 Chapter members to volunteer that day - such as cooks, food servers, airplane parkers, coffee serving, and cash box tenders.

We will set up Friday evening Sept 9th at 6:00 p.m. in the airport terminal building. Set up usually takes about two hours. We will then meet again on Saturday morning at 6:30 a.m. to start cooking.

You still have time to help with the ADVERTISING that we need to promote this event! This issue contains a FULL SIZE poster. **Print a few copies of that page** and display in your local area businesses or other locations where the public will see them. Thank you!

EAA Chapter 252
- Airplane Spoken Here -

2011
Chapter Calendar
and Wittman Airport Events

September 8th

Chapter corn roast at 7th Heaven
Wayne Daniels Hangar, 6 PM

September 10th

Chapter 252 Pancake Breakfast
Young Eagles Flights
Wittman Airport

October 15th

Chili dump at 7th Heaven,
Wayne Daniels Hangar
11:00 AM to 1:00 PM

November 10th

Chapter 252 meeting,
Hands-on building tips?

November 15th

WIA Chapter 52 meeting at Sonex.
Paul Votava featured speaker, DC3's
in Antarctica.

December 8th

Chapter 252 meeting, topic TBD

January 12, 2012

Chapter 252 meeting, topic TBD

January 28, 2012

Chapter 252's annual
Celebration of Flight Banquet

For Wisconsin aviation events check out
the calendars at:

<http://www.eaa.org/calendar/>, and

<http://www.dot.wisconsin.gov/travel/air/>

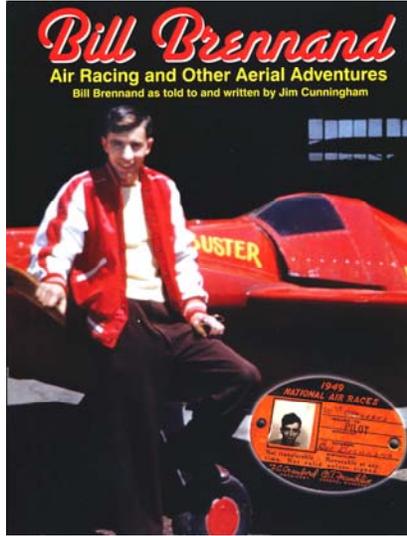
Monnett SubSonex



*Bob Carlton taxi's out in the SubSonex
for a test run, as John Monnett spots
from a chase vehicle.*

Chapter member John Monnett and all of the staff at Sonex recently celebrated the first flights of the SubSonex on 8/10/11. The aircraft was flown by Bob Carlton, who we know as the pilot of a jet powered sailplane that flies at Airventure. **Congratulations to John and the crew at Sonex!**

Book Signing 9/10/11
During Chapter 252
Fly-In Breakfast



For those of you who are newer to the local aviation family, Chapter 252 member Bill Brennan is also the race pilot, FBO operator, and now the subject of a book by that same name.

As recently published in a press release issued from Chapter 252:

“Oshkosh native, Bill Brennan, and author Jim Cunningham have collaborated on a memoir of Brennan’s aviation experiences titled “Bill Brennan Air Racing and Other Aerial Adventures”, published 2011 by Airship International Press.

Brennan will hold a book signing at Wittman Airport Terminal, on September 10, 2011, from 9:30 to 11:00 am. His book will be available for purchase. Brennan’s appearance is being held in conjunction with the annual EAA Chapter 252 Fly-in Breakfast, “Get to Know Your Airport Day” and Young Eagles Flight Rally that run from 7:30 to 11:00 am.

Brennan, a farm boy born in 1924, started his flight training in 1943 at Wittman Flying Service and earned his Private license in 1944. He went on to earn many additional ratings as an aircraft pilot, mechanic and inspector.

Brennan worked for Steve Wittman from 1943 to 1950. Referring to this period, Bill has said, “You’ve got to remember...in the early 40s...my job description was: sweep the hangar floor, clean the old coal furnace, fly with

Continued on Page 3



Young Eagle Rally
9/10/11

*Reprinted here is an e-mail notification
that was recently mailed by Doug Milius,
the Chapter Y.E. Coordinator.*

I am sending this out to pilots/ground crew that have helped out in the past with our Chapter 252's Young Eagle flights. Some of you have agreed to help out already on the 10th and the rest I wanted to ask that you might help out again.

We are flying Young Eagles at the event from 9:00 am to 11:00 am. The breakfast runs until 11:00 am also. I am planning on having a **pilot ground crew briefing at 8:30 am**. It was suggested I have flight pattern maps so I will provide those on that day. We will also have a computer to use to print out the info on the certificates. We will also have a computer with a flight simulator program on it so that the kids can play with it while they wait for their flights. I am also hoping to have a volunteer take kids out to a plane to explain the various parts of the plane prior to their flights so that the pilots can do a quick preflight of their plane without having to go into a lot of detail of the components.

I am going to make some calls to see if we can't get a few more people to help with the ground crew parking planes and taking the kids out to the planes with the pilots.

I look forward to seeing you on the 10th and as always we want to make sure this is a safe, fun event for everyone involved.



*Chapter member Gary Geisler straps
in a Y.E. passenger during the
Chapter's 2011 Wittman Birthday
fly-in.*

President's Message



By Wayne Daniels

On August 17th approximately 40 members enjoyed a cookout at the Kermit Weeks Hangar on 20th Ave in appreciation for all of the volunteer work performed for Aeromart. Thanks again to all who made Aeromart a success. Brats, burgers and hot-dogs were grilled and several people brought some great deserts and other goodies to consume while we shared some of the weeks facts and figures. Topping the evening off was a visit from the Pipistrel which just days earlier conducted it's maiden voyage here at Wittman Field. Tine Tomazic, one of the aircraft's design engineers gave a terrific presentation about the plane. Randy had a good chat with him and will have another article about that this month.

Al Follendorf hosted a cook-out for members of the Aeromart committee on Monday, Augus 22. Being there is no such thing as a "free-lunch" he had some work for us as we stuffed checks into envelopes to pay all of the vendors who sold items at Aeromart this year. Thanks go to Al and Charlie Becker for their efforts in converting the SS data into the checks and printed them. Also big thanks to Al and his wife for their hospitality and a great evening on the Lake Winnebago shoreline as we ate, worked and compared notes on the Aeromart operation.

Don't forget that the Chapter corn-roast will be held on Thursday, Sept 8 at 6pm. This year the corn roast will be at my hangar - 7th Heaven (fly-ins are welcome!), or if you are driving the address is 3778 Red Oak Ct. Besides the usual great sweet corn, we will grill some bits of cow! Always welcome is a dish to pass! While I do have some lawn chairs, I doubt that I have enough for everyone, so bring one along if you want a guaranteed seat!

Also in September we have our second Pancake Breakfast of the year. Again this will be held at the Wittman Terminal on Saturday, Sept 10. This will be held in conjunction with "Get to Know Your

Bill Brennand, *continued*

from page 2

students, work on airplanes and win the National Air Races."

Brennand won first place in the first air race he ever flew, the 1947 National Air Race in Cleveland, OH. He flew "Buster" which was created from the wreckage of "Chief Oshkosh", Steve Wittman's former race plane. Brennand went on to win numerous trophies over the years flying "Buster" and, later, "Little Monster", designed and built by Curtis Pitts (of Pitts Special fame). He retired from racing in 1952.

Brennand purchased land along Lake Winnebago from the Vette family and built a boathouse in 1949. In 1957, with the help of long-time friend, Al Ziebel and others, he built ramps for seaplane storage and brought in a J-3 Cub on floats. When EAA moved its convention to Oshkosh in 1970, several members flew their floatplanes here and docked at Brennand's base. Brennand operated the base until his retirement in 1995 at which time he sold the property back to the Vette family. The seaplane base is still operated during the convention.

From 1953 to 1993, Brennand ran an FBO (Fixed Base Operation), at Brennand Airport near Neenah, WI, which offered flight training, aircraft sales, maintenance and restoration. Brennand sold the airport in 1993, but it is still in operation and has seen improvements and growth over the years."

In this newsletter is a full size poster advertising the book signing. Please print off a few copies and distribute.

Airport Day" as well as Young Eagle flights. We will be setting up in the terminal on Friday about 5:30. Events like this are successful only with the great volunteer effort of our members! Please contact John Egan @ ismilingmoon@gmail.com for volunteering for the breakfast, and Doug Milius @ drmilius@sbcglobal.net to help out with either flight or ground duties for the Young Eagle event! Walk-in help will not be turned away! And even if you can't devote a few hours to help, stop out and enjoy some pancakes, sausage and eggs....we start serving at 7:30am on Saturday, Sept 10. See you there!!!

Pipistrel, *continued from page 4.*

allows him the opportunity to experiment with "out of the box" concepts.

Tomazic reported the overall concept for the G4 was his. Only taking 5.5 months from concept to flight ready, the aircrafts' design parameters: 4 seats, the speed, the propulsion, were all designed to maximize the available score points for the competition. Starting life as two damaged sailplane fuselages, the airframe construction is sailplane like, using molds and composite materials - mostly carbon fiber, throughout. He refers to it as the biggest, heaviest, and most powerful electric powered airplane - but even so, it is very efficient. It's sailplane heritage provides for a 30:1 glide ratio at 100 mph. It also incorporates a ballistic recovery chute type system built into the structure.

Tomazic also told us that the electric motor and its controls, including the software algorithms, a key part of the motor's success, were developed and built at Pipistrel. The 3-phase synchronous motor uses high temp neodymium permanent magnets and is able to provide 1100 ft./lbs. of torque at low RPM, and typically turns the prop at 2100 RPM. Up to 500 amps of current is supplied by 3 groups of lithium polymer batteries, totaling 1100 lbs., that are controlled by a series of solid state voltage sensing switching relays. Battery temperature is also monitored. Actual switching of the power circuits is ultimately controlled by the pilot.

The fixed pitch propeller was designed and built by Pipistrel, specifically for this application. Tomazic reported that a conventional design propeller layout is not optimized for electric power. The propeller is unconventional in shape, and despite it's elegant appearance, is not designed to flex during operation.

Tomazic reported that some of the lessons learned from the G4 project could be applied to a new design that is under development, that being a 4 seat hybrid "normal" airplane called the Panthera 200/200 project.

To finish up the evening Tomazic ran up the motor to show how quiet and powerful electric power can be.

Chapter member Janet Davidson arranged for the presentation. Thank you to Janet and Tine for a very interesting evening. It provided an opportunity for Chapter members to get a glimpse of emerging technology.



Chapter 252 August Meeting and Aeromart Appreciation Cookout

Through the courtesy of the EAA maintenance staff our August 17th meeting was held in the Weeks Hangar.

As with all of our Chapter functions involving food – there was plenty to go around!



The Pipistrel G4

Our featured speaker for the evening was Tine Tomazic, the technical team leader for the Pipistrel Taurus G4 project. He kindly permitted the aircraft to be pushed over to the Week’s hangar so we could all view it up close. It is not a small airplane. At 3300 lbs. gross, and a 70+ foot wingspan, it required a few guys to move it between the CR Meyer (where it was stored) and Weeks hangars.

The team at Pipistrel designed and built the aircraft to compete in the 2011 CAFÉ/NASA Green Flight Challenge. It is an efficiency competition that takes various performance parameters into consideration as part of the grading process. The competition is not specifically for electric aircraft, but the method of propulsion affects the grading results – and a \$1.3 million 1st place prize is at stake. NASA promotes this type of competition to encourage technical advancement in the private sector. Additional information about the aircraft & the competition can be found at

Tine Tomazic (on right) discusses design features of the Pipistrel G4 with Chapter members Lyle Forsgren and Bret Steffen.

<http://www.pipistrel-usa.com>.

The aircraft’s first flight was August 12th, in Oshkosh. Competing against the G4 is another aircraft from E-Genius, which was funded by at least in part by Airbus, but Pipistrel was also involved as a supplier.

Tomazic works full time in R&D for Pipistrel and has been with the company for 11 years. He is also attending a university and is working on a PHD in Electrical Engineering/Hybrid power trains. He feels that working for Pipistrel



Motor run-up at sunset. The pilot flies from the right pod.

Continued on Page 3.

Chapter July Meeting at Vette Seaplane Base

The July meeting featured a presentation about floatplane flying from Chapter member Curt Drumm who talked about the differences between landplane and seaplane operations, and what is involved in obtaining a seaplane rating.

I was not able to attend, but heard that we had a good turn out and everyone enjoyed themselves. *Photos courtesy of Doug Milius and Brady Lane.*



Wittman Airport

Fly-In Drive-In

Pancake Breakfast



Wittman Airport Terminal

20th St., Oshkosh, WI

ATIS – 125.9, TWR 118.5

September 10, 2011

7:30 – 11:00 A.M.

Free Admission!

- Displays Provided by Wittman Airport Businesses!
- Learn How the Airport Works!
- Aircraft on Display!

- FREE! -

AIRPLANE RIDES!
For kids ages 8 – 17
(EAA Young Eagles)
9:00 to 11:00 A.M.



Pancakes (all you can eat),
Sausage,
Scrambled Eggs,
Milk, Juice, or Coffee

Adults \$6.00*

Children under 10 - \$3.00

* Free breakfast for pilots of
homebuilt aircraft who fly in.

Hosted by **EAA Chapter 252**
and **Wittman Regional Airport**

Oshkosh, WI

EAA252@gmail.com

www.EAA252.org

EAA 252
OSHKOSH
Steve Wittman Chapter



Wittman Regional Airport
Oshkosh

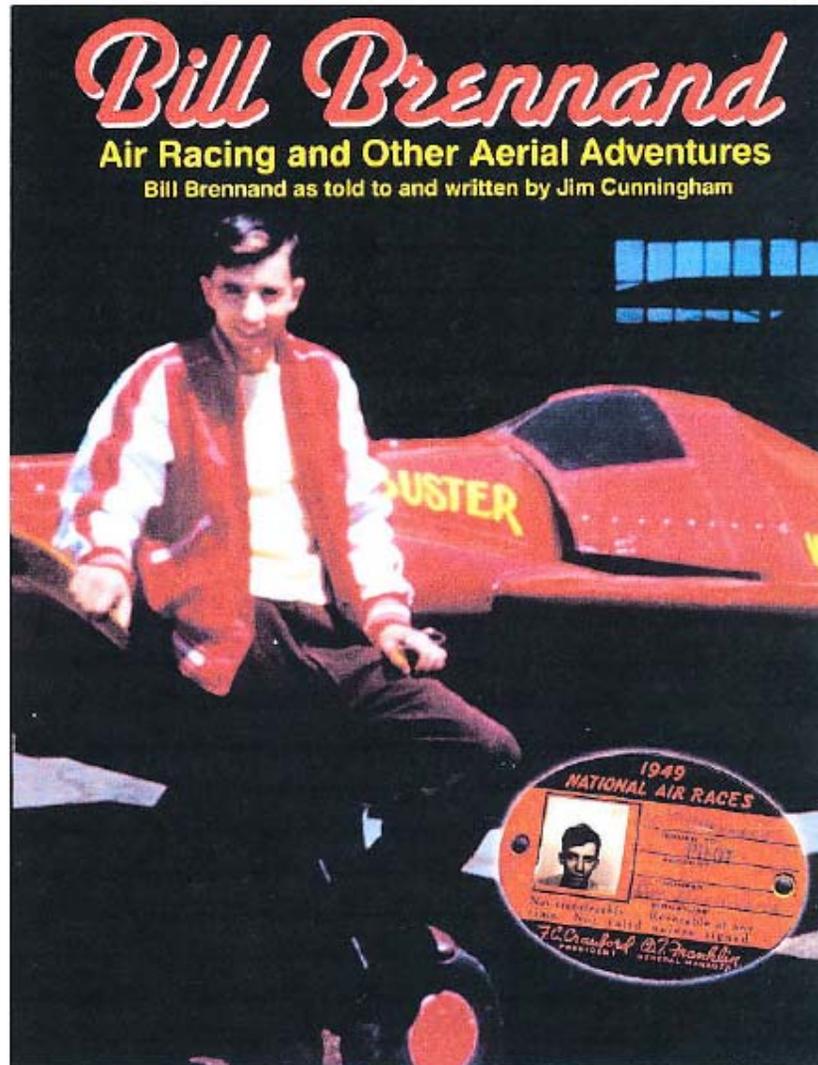
Oshkosh native, Bill Brennand, with author Jim Cunningham,
has written a memoir of his aviation experiences,
Bill Brennand Air Racing and Other Aerial Adventures
2011 Airship International Press

**Brennand will hold a
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**Wittman Airport Terminal
Sept 10, 2011
9:30 to 11:00 AM**

**The book will be
available for purchase.**

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"You've got to remember...in the early 40s...my job description was: sweep the hangar floor, clean the old coal furnace, fly with students, work on airplanes and win the National Air Races."



641 Bowen St.
Oshkosh, WI 54901

Based in Oshkosh, WI

*A Part of the Aviation
Community in Oshkosh
and the Surrounding Area
Since 1965*

Join EAA!

Chapter 252 Membership

\$20.00/yr. Dues to:

Bret Steffen
212 Mound Street,
Berlin, WI 54923
(920) 379-8419
bretsteffen@me.com

EAA Chapter 252 - Our Mission Statement

A 501c3 non-profit social organization intended to honor the aviation legacy of S.J. Wittman through the promotion of recreational aviation in the Oshkosh and surrounding area. To promote aviation growth & safety through aviation oriented youth programs, public outreach, and member education.

What's In It For Me?

The opportunity to:

- Participate in a family oriented organization where everyone shares a common interest.
- Learn from your fellow members.

To Learn More About Us

Contact the officers shown below, or visit the Chapter 252 website at www.eaa252.org. On the website you'll be able to view our past newsletters, check out our calendar of events, and follow links to other related sites.

Attend one of our monthly meetings. Usually scheduled for the 2nd Thursdays at various locations. Chapter meetings typically feature guest speakers and other special programs of interest.

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