



# Prop Wash

Experimental Aircraft Association *Chapter 517*



Issue: 11/2008

Introduce a friend to the science of flying

## From The Prez

Greetings!

The year end rapidly approaches, and we wind down another year of EAA 517.

I want to thank all members for their support and participation, with a special thanks for my fellow board members.

We're already hard at work, planning some events and special tasks for 2009.

Please consider attending the annual banquet, **Wednesday, December 17, 6pm** for social hour and **6:30pm dinner**.

Fun prizes and the "White Elephant swap". See details elsewhere in the newsletter.

Thank you all!

Respectfully submitted,

**Don**



## MSO Airport Update

Items from **Cris Jensen** and **Greg Phillips**, Director and Deputy Director, respectively, MSO Airport: GA Hangars – We met with Steve from Knife River this morning and he's still pretty comfortable that we'll be able to get everything done on schedule and before the weather closes in for good. Chapman will be pouring four pads.

There are 17 GA hangar units being built at a site near Runway 25.

GA pilots have made ownership arrangements for all 17 units and are organized as "Runway 25 Hangars, LLC" to accomplish construction.

The contractor is Price Construction, of Missoula. The hangars are in 2 rows, one with 8 smaller units and the other with 9 larger. Site engineering and excavation have been com-

pleted and construction is underway with completion expected this fall.

Once the concrete is complete, the Airport will construct the taxiway and apron between the two parallel hangar units.



EAA517's **Gary Matson** keeps tabs on major construction at the Missoula County Airport.

## Editor's Desk

### Paper Planes Teach

Back when your Humble Editor started the World Paper Plane Fly-In(TM) a strong ally was found to help promote events and to help the learning/teaching/learning cycle. It was Chip Fyn of <http://www.fiddlersgreen.net/>.

Important to understand that we do not take or give commercial advertisements in *Prop Wash* but we do talk about

things that are worthwhile to all and Chip's Fiddlers Green is certainly that for aviators.

Here's how it works: You pay a token fee and are allowed to download paper airplane models.

Sounds ho-hum at this point but... it's not as simple as that! These paper models come out full color (if your printer is up to snuff) and are fully 3-Dimensional! (Cont. Page-3)

Weather from the MSO Automatic Surface Observation System (ASOS) will now be available after the control tower closes. Formerly, weather was only available during hours of control tower operation, through the Automatic Terminal Information Service (ATIS) frequency.

Now, ASOS will broadcast via radio after hours! Finally, we will have this long standing project completed.

Tower frequency during hours of operation, 118.4, will continue to be our Common Traffic Advisory Frequency (CTAF) after hours.

Ground control frequency during hours of tower operation, 121.9, will be tied into the ASOS after the tower is closed. ATIS will direct pilots to 121.9 for current weather conditions after the tower is closed.

Runway 7/25 will be closed for the project that will replace the runway lighting,

We hope to have the lighting restored and working by the end of November, but it may be longer than that.

**Gary Matson** advises, "We will keep you as up to date as we can while the project progresses."

**PCs & Zodiacs**

Good times, good friends and good knowledge are at the heart of an EAA chapter, the very heart!



*Pancakes make good eats/good connections.*

On Saturday, October 18 it was Chapter 517's last pancake

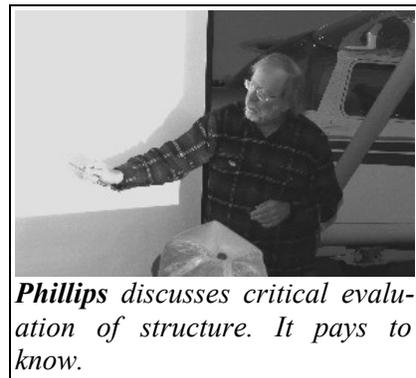
breakfast of the year. **Larye Parkins** served as cook while new friendships were made and old friendships renewed.

The following Monday evening, October 20 **Ray Aten** and **Terry Phillips** made their presentations on building Zenith CH601XL Zodiacs.



*Aten leads discussion of Zodiac construction*

The two builders showed that building your own airplane was far more than the pride of possession. The joy includes the scientific adventure that leads up to ownership of a ship whose value increases.



*Phillips discusses critical evaluation of structure. It pays to know.*

A third Zodiac builder, **Laurens Ackerman** could not be present but all three state that it is the mutuality found in EAA that makes homebuilding worthwhile and helps assure that each project will be completed happily.

**Phillips** is acting as a key person in an "independent engineering analysis" of Zodiac wing structure that is funded by con-

**Our Christmas Party**

★ EAA517's Annual First Flight Christmas Party accepting reservations now!

Be sure to mail your reservations and checks to:

Sherry Rossiter,  
Treasurer  
EAA Chapter 517, Inc.,  
P.O. Box 16446  
Missoula, MT 59808.

If you have any questions, call Sherry at 542-5177.

A no-host bar begins at 6:00 PM. Dinner will be served at 6:30 PM.

\$20 per person. This will be a buffet-style dinner with two entrees.

★ Location: The Broadway Inn, 1609 W. Broadway, Missoula. ★

tributions from 27 builders from Australia to Switzerland.

Phillips says he is receptive to contacts regarding the 601XL wing. He can be reached through *Prop Wash's* Editor, Jack Wiegman at [samwidge@bresnan.net](mailto:samwidge@bresnan.net).

### Intellectual assets

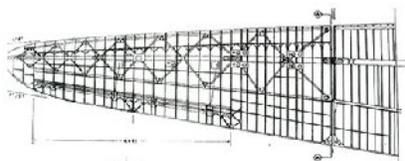
Turn back to 1938. We are just beginning the luxury of cars with steel cabs and steel wheels. America's first streamlined car proves to be more streamlined backward than forward. We've made our share of airplanes. Smugly, we figure that Americans are the *only* scientists.

Over in Japan they are scientists, too. The aviation challenge is a huge one; Design a machine that will stay in flight longer than any other.

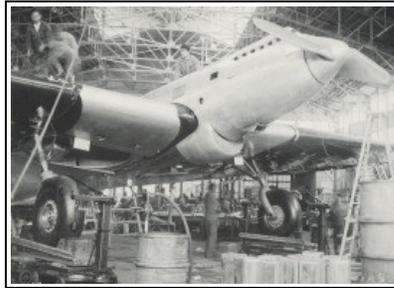


Mineo Yamamoto

One of the leaders of the project is **Mineo Yamamoto** and he must create the plane from scratch. That means thin-rolled aluminum for framing, for ribs and for spars. Wing covering will be fabric carefully coated for smoothness. All difficult in Japan in 1938!



The Koken Long-Range Prototype Plane (Koken-ki) is the only aircraft made in Japan that has ever set a world record certified by the FAI (Federation Aeronautique Internationale.)



*(Editor's Desk from Page 1)*



*This Grandville 1930s Gee Bee Racer is so small that it fits on a dime.*

Take the GeeBee racer above: Its wings are actual airfoils. Though the models can be fabricated on your desk in most any size, this one fits on a dime!.. and that's small change.

That particular GeeBee is a free download as are many others though most of the freebies are much larger.

Some of Chip's models are huge. Take the B-36 with its 40-inch wingspan for instance.

Chip is an artist and that sounds innocent enough but... his models teach structure. At a World Paper Plane Fly-In(TM) we take a single sheet of paper and form it into a symmetrical (aerobic) airfoil. Then, with aluminum foil as comparison,

From May 13 through May 15 of 1938, it flew a course around Tokyo. Fuel weighed more than the airplane.

Visit the Cyber Museum commemorating **Mineo Yamamoto**: <http://www.yamafami.com/cm/> Note the *remarkable* way that Mr. Yamamoto's crew braced against wing flutter. Explore drawings and the replica at <http://www.yamafami.com/cm/koukenki/index.html>. Don't read Japanese? Pictures alone tell the startling story.

we show how paper is stronger. Stronger than steel as a matter of fact because the paper in this shape will hold hundreds of times its own weight without structural failure.

Chip is nearing 70 now and hoping to sell his company. On the off chance that he will simply fold Fiddlers Green without a successor, I hope you will



*Yes, Mother. It's paper. Honest!*

visit the Website and download all the free models to discover what you can learn about aviation history, design, structure and the wonderful business of flight.

Oh! And say hello to the shark for me.



**Mineo Yamamoto** has passed away but his son, **Yuichi Yamamoto** carries on. **Yu**, as his friends call him, is an internationally known finance consultant, political analyst and journalist. See his youtube Website at <http://www.youtube.com/user/Yu1Yam>. Look for three Koken films.

**Yu** says, "May 15, 2008 marks the 70th anniversary of the then-world flight range record of 11,651 km (7,240 miles) established by the "Koken-ki" long-range prototype airplane."

It is widely believed that by order of Douglas MacArthur,



Koken-ki was dismantled and buried in the ground while all the drawings and related documents were incinerated soon after the war defeat.



**Yu** says, "The fact remains, however, that nobody saw to it that MacArthur's directive was fully complied with. Actually, a great deal of Koken-ki-related material has been secretly pre-

served by mostly unidentified individuals and their descendants."

"These people, perhaps with the exception of those who have provided us with this digitized film, tend to think that the material they cached for the last six decades is nothing but family memorabilia...."

"... collected documents, including some film footages, have not been well-preserved ... on the pretext that ... institutions are chronically facing a serious budget constraint. Typically, they are just

piled up in the underground archives.

This indicates that the Japanese, at large, still handle, as they did in the past, these "intellectual assets" as if they are just rubbish. Some may say: "It can't be helped because Japan lost the war." But they should understand that actually it's the other way around: Japan lost the war, or waged an unwinnable war, *because it did not value its intellectual assets.*"

## Invitation

Est. 1892

Wilbur Wright  
Orville Wright

Manufacturers of Van Cleve  
St. Clair



Bicycles

# Wright Bicycle Company

1127 West Third Street

DAYTON, OHIO, *December 17, 2008*

The Brothers Wright request the Pleasure of your Company at a small party commemorating their first airplane flight, the event to be held in the commodious accommodations of the Broadway Inn, 1609 W. Broadway, Missoula, Mont on December 17, 2008. No-host bar at 6 and supper at 6:30 Post Meridian.

Your friends,

*Wil & Orv*



*A modern museum replica of Japan's World Record holding 1938 Koken*

## Don't Forget:

December 17, 2008, 6:30pm  
**First Flight/Christmas Party**  
 Program: Joint gathering with MPA

## At Your Service

**Don Lorenzen**, President  
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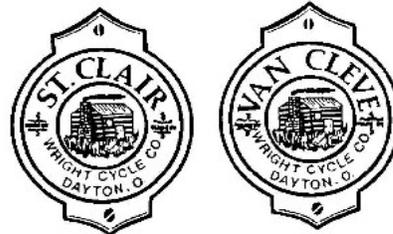
## A Wilbur Moment

Lets have a Wilbur Moment for December 17, 1903.

Of the earliest flights they considered successful, it was Orville Wright who took the very first that fated day in the fabled Wright Flyer.



That makes, for the moment, the monumental credit for momentous support go to Wilbur.



Orville was the designated First but it is his Second to whom we now draw your attention. In this instance, our star studded salute lauds the stellar, the stupendous, the scintillating Wilbur. Oh, sure. We're quite naturally proud as punch of the First. Nonetheless, his Second deserves special thanks here today.

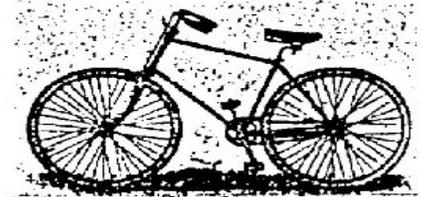


Without a Second, there can be no First. Oh the humanity! Overcome at the moment with emotion of having successfully overcome

inertial moment, if only momentarily.

## The Second

Without his willingness to help another shine, things would have been dark indeed.



**WE HAVE THEM!**

\$150 Bicycle for \$150	\$150
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**BARGAIN IN CHEAP WHEELS.**  
 Do not forget "Dunlop" and "Warwick" detachable tires and hollow rims! Most \$150 wheels do not have them, ours do. Come and see them.

**WRIGHT CYCLE EXCHANGE,**  
 1015 WEST THIRD ST.,  
 Between Williams and Baxter.

Wilbur's imprint is important because that's the import of EAA--Support.

The import of support can never be called short. After all, EAA stands behind *you*. EAA is *your* Second as you plunge into *your* perusal of the plausible and the possible.



*The right hat is a must.*



Orville Wright



Wilbur Wright

EAA will hold your coat as you lunge forward to slay or to befriend your aeronautical dragons. It is for you to be the doer and to do. EAA stands as the foundation, the walls and the roof for thinking and doing.

You are the First, an individual who will seize challenges. That's you and that's me... individuals with minds.

As the First, you gain the glory. Your Second, the EAA, will graciously hold your tools of battle and will stand at the ready.

EAA is *your* Second. Now go fly.

### Upcoming

Next

#### **CHAPTER MEETING**

**November 17, 2008, 7pm to 9pm**

#### **Program:**

*In a follow-up from the meeting last month by MPA, Dave Thatcher, a Doolittle Raider, the EAA 517 will show "30 Seconds over Tokyo". Come enjoy, and watch as actor Robert Walker, portrays the movie role that Dave performed in life. MSO Conference Room*

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