



The FLYING WIRE

The Newsletter of EAA Chapter 64 - Serving Aviation in the Metro-East
Founded November 30, 1964 - Incorporated January 28, 1966

Next meeting: October 6, 2009 at our normal meeting time and place: 1st Tuesday (food at 6 pm, meeting at 7 pm) at Historic Hangar #2 at Downtown St Louis Airport in Cahokia, IL.

Brain's Bites October 2009

"Let's Shoot for Brodhead 2010!"

September has come and gone, now looking back on this summer I have to say we had one heck of a good flying summer! There were plenty of fly-ins, field trips, and even chapter trips to Brodhead & Oshkosh. I also remember lots of impromptu, "Hey let's go flying!" days too.

Pretty soon the leaves will start falling, the days will get shorter, and we will have a little less time in the day to fly (at least day VFR). But as we move into fall and winter we get a chance to focus on our airplane projects and other projects that will carry us through the shorter & colder days.

The Scrounge Dawgs are busy on their Pietenpol with a goal of flying it to Brodhead next summer. They are building the Corvaire engine; the wings are stripped down, and are also busy building a set of gear. It's a great dream & goal. It's also wonderful to watch what chapter members can do working together.

"Dream no small dreams for they don't have the power to move men's hearts."

-- Goethe

Keep 'em Flying!

Brian "Brain" Kissinger

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Young Eagles

By Larry Frey

It's Official! EAA Chapter 64's Fall Young Eagle Flight is set for Saturday October 24th. The Flight will be held at St Louis Downtown Airport, Hangar Two Ramp beginning at 0900 Hrs. Pilot and Ground Crew briefing will be at 0830 Hrs in the Chapter Meeting room.

As of this time we have seven groups of kids participating, and we anticipate this will be about 60 to 80 Young Eagles. As always, we need Chapter members for Ground crew and registration assistance. Please email Larry at lrogerfrey@hotmail.com if you can help.

Wide-Area Multilateration (WAM)

William Rohland

A new surveillance system introduced in Colorado allows air traffic controllers to track aircraft in areas not covered by radar.

The new system, called **Wide-Area Multilateration (WAM)**, requires no new equipment for aircraft and uses a network of relatively small sensors on the ground to pinpoint the location of aircraft in remote, mountainous regions. The sensors send out signals that are received and sent back by aircraft transponders.

Surveillance in nonradar areas can improve the safety and efficiency of flights in the near term while the FAA transitions to satellite-based surveillance in the NextGen air transportation system. AOPA has been involved in many NextGen planning groups and has worked to ensure that aircraft have access to airspace not covered by radar and can make the best use of existing technologies.

By using existing equipment in aircraft, this new system can give pilots access to one of the key capabilities of NextGen starting right away. It is a great transition tool while the FAA puts the infrastructure in place for the next stages of modernization.

The FAA plans to use WAM in the near-term as a bridge to Automatic Dependent Surveillance-Broadcast (ADS-B), the surveillance system that will be the backbone of the satellite-based NextGen air transportation system. WAM will then serve as a backup to ADS-B in the event of a GPS outage and provide an additional source of traffic broadcast, according to an FAA press release.

WAM began initial operations Sept. 12 at Yampa Valley-Hayden, Craig-Moffat, Steamboat Springs, and Garfield County Regional-Rifle airports in Colorado. These areas are popular ski resorts, but the mountainous terrain makes radar surveillance impossible and forces air traffic controllers to operate on a one-in, one-out basis during instrument conditions. WAM triangulates the signals returned by Mode C and Mode S transponders and displays aircraft locations on

controllers' screens, allowing the controllers to see all aircraft from the ground up and route traffic more efficiently and safely.

The system was deployed in Colorado under a joint cost-sharing agreement between the Colorado Department of Transportation and the FAA. The FAA will monitor how the system works at the four Colorado airports over the next year to determine further deployment; future locations planned for the system include Juneau, Alaska, and runway monitoring in Detroit, Mich.

Is EEA Chapter 64 for you?

If you like flying, building airplanes, or just talking about them, Chapter 64 of the Experimental Aircraft Association is for you. Our members are flying and building a variety of aircraft.

Our Technical Advisors are eager to share their skills and experience with you to make your project easier. Our library contains a myriad of resources including historical publications, how-to manuals, computer CDs, DVDs, and videos and our tool box contains many special tools that are available for loan to our members.

Our members come from all walks of life and range in age from their teens to their '80s. Although named "The Eastside Chapter," our members live throughout southwest Illinois (i.e., Belleville, Millstadt, Columbia, Collinsville, Troy, New Athens, etc.) and St. Louis and South County.

Most meetings are held in our Chapter Headquarters in the rear of historic Hangar Two (on the back side of the Greater St. Louis Air and Space Museum) at St. Louis Downtown Airport (CPS) in Cahokia, IL. We occasionally take our meetings on the road to other airports to view nearby aircraft projects.

Chapter dues are only \$12 per year. Come out and see for yourself how rewarding local chapter membership can be.



ScroungeDogAviation Activities

By Mike Brenner

The Scrounge Dawg build crews have been organized and they're getting to work. The wings crew meets on Wednesday nights and has stripped all the fabric off one wing and cleaned up all the tape and adhesive residue.

The Fuselage crew meets on Thursday evenings and is busy removing damaged wood so that new pieces can be fitted. Some areas will only need re-gluing but the rear cockpit and seat have substantial damage that will require fabrication of all new parts.

The landing gear crew has been hard at work trying to figure out how the gear was originally designed and fabricated. This is no easy task since the landing gear received the most substantial damage of any area of the plane. Bob Fisch just reported that they have determined exactly what springs were used on the original gear and located a supplier.

The engine crew is making arrangements to pick up the Corvaire engine being donated by Mike Lotz and move it to shop. Several members of the crew are also making plans to attend William Wynn's next Corvaire College.

We would love to see some new members join the group. You can drift from crew to crew, work on only one crew, or work on multiple crews. Many parts need to be fabricated or rebuilt and some can be brought home to your own work shop to work on as your schedule permits. Most fabrication will

require only basic woodworking skills. Come on down and join the fun of building an airplane. It may inspire you to start a project of your own.

EAA64 Webstite: www.eaa64.org

Bob McDaniel

Visit the website. Bob asks that if anyone has content for the website, then send it to him.

dusterpilot@charter.net

Fly Market

Items for sale. Items needed.

Russ Belhorne has a VW 1500 Engine w/new cylinders, pistons, prop (w/hub) and much more for sale. He can be reached most days at the Flying Dutchman in Belleville.

John H. Tiner is looking for anything that is ready to fly. He needs to get in the air again now that he has sold his Cessna 150. He's looking to buy or join a partnership for an UL or Experimental (homebuilt) Light Sport. Contact: tinerj@tinerj.com

Listings are free for EAA64 members-- Sell, Trade, Wanted.

FREE

A six-month trial membership in EAA is available. EAA members send your friends here to take advantage of this FREE offer:

<http://www.eaa.org/chaptertrial>

What We are Flying



N93880
Brian Kissinger and
Todd Dienkhan's
Ercoupe 416-C with
a Continental-85 hp
engine. Stationed
at KSAR Sparta.
(left)

N102HK William Buchholz's CGS Hawk Aero 2
with Rotax 582. Stationed at KSET St Charles
County Smartt Field (Right)



N56215 Al Bane's Quicksilver Sport 2S with a
Rotax 582 engine. Stationed at Litchfield Airport.
(Left)

N2663R (Pixie Girl) Joe Kalal and Keith Smith's
Sky Raider with Rotax 503 Engine, stationed at
Gateway Air Park. (Right)



Bottom three photos taken at Keith Smith's
Gateway Air Park.

EAA CHAPTER 64 TREASURERS REPORT			9/27/2009	2009	
DATE	CHECK	NOTES	DEPOSIT	DISPERSE	BALANCE
12/31/2008		Checking Balance From 2008			\$3,516.13
12/31/2008		Certificate of Deposit from 2008			\$30,182.26
12/31/2008		Total Balance Forward from 2008			\$33,698.39
12/31/2008	2096	EAA - \$1M liability insurance		\$177.00	\$3,339.13
1/1/2009	2097	SWIC - Foundation scholarship		\$1,000.00	\$2,339.13
1/17/2009	2098	Aeroscholarship - Derrick		\$344.00	\$1,995.13
1/17/2009	2099	Dave Shake - entertainment		\$100.00	\$1,895.13
1/17/2009	2100	EAA - membership?		\$50.00	\$1,845.13
1/17/2009	2101	Aeroscholarship - John L.		\$333.00	\$1,512.13
1/17/2009	2102	Fisher's - gift cert		\$50.00	\$1,462.13
2/3/2009	2103	Brian Kissinger - Survey Monkey invoice		\$19.95	\$1,442.18
2/3/2009	2104	Jim Stoops - plaque		\$41.96	\$1,400.22
2/12/2009	DEPOSIT	Food, 50/50, Dues	\$112.00		\$1,512.22
2/12/2009	DEPOSIT	Deposit from matured CD	\$4,487.44		\$5,999.66
2/12/2009	DEPOSIT	Deposit from matured CD	\$14,149.54		\$20,149.20
2/23/2009	2105	Mike Benner - Builder's picture		\$5.05	\$20,144.15
3/4/2009	2106	Brian Kissinger - PA System		\$455.74	\$19,688.41
3/28/2009	2107	Larry Frey - Pedal Pietenpol project material		\$64.71	\$19,623.70
3/28/2009	2108	Ed Hase - soldering workshop supplies		\$13.00	\$19,610.70
3/30/2009	DEPOSIT	Dues, 50/50 , etc.	\$167.00		\$19,777.70
4/7/2009	2109	Dave Wolter - Pietenpol pickup, gas, etc.		\$200.00	\$19,577.70
4/22/2009	2110	EAA - Founder's Wing Brick Donation		\$1,000.00	\$18,577.70
4/23/2009	DEPOSIT	Dues, 50/50 , etc.	\$110.00		\$18,687.70
5/26/2009	DEPOSIT	Food, 50/50, Dues	\$139.00		\$18,826.70
6/1/2009	2111	Laser Concepts - plaques		\$38.00	\$18,788.70
6/2/2009	2112	Wally Hubert - 1/3 trailer for burger grill		\$67.70	\$18,721.00
6/23/2009	DEPOSIT	Food, 50/50, Dues	\$45.00		\$18,766.00
7/7/2009	2113	Laser Concepts - plaques		\$9.50	\$18,756.50
7/7/2009	2114	VOID			\$18,756.50
7/7/2009	2115	Larry Frey - YE Fuel		\$110.36	\$18,646.14
7/7/2009	2116	Bill Rohland - Meeting room shelving		\$184.04	\$18,462.10
7/7/2009	2117	Bill Rohland - Beer/Soda restock		\$115.45	\$18,346.65
7/24/2009	DEPOSIT	Food, 50/50, Dues	\$209.00		\$18,555.65
9/1/2009	2118	Brian Kissinger - club food		\$95.18	\$18,460.47
9/28/2009	DEPOSIT	Food, 50/50	\$86.00		\$18,546.47
		YTD Total	\$19,504.98	\$4,474.64	
			Amount	Int. earned	Total
		Cert of Deposit @ 2.355% Due 1/1/9	\$11,841.26	\$186.14	\$12,027.40
		Cert of Deposit @ 4.95% Due 2/5/ 09	\$4,416.00	\$71.44	\$4,487.44
		Cert of Deposit @ 2.38% Due 2/08/09	\$13,925.90	\$223.64	\$14,149.54
		Cert of Deposit @ 2.83% Due 12/01/09	\$12,027.40		
		YTD CD Income		\$481.22	
		Current CD Value	\$12,027.40		
		Current Balance			\$30,573.87
		Ron Peek, Treasurer EAA Chapter 64			
		EAAreasReport2009.xls			

EAA Chapter 64

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(CPS) Cahokia, IL

E-Mail: Eaachp64@yahoo.com

Web: www.eaa64.org

Motto
Get & Keep 'Em Flying!

Group: <http://groups.yahoo.com/group/eaachapter64/>

Calendar: October 6, 2009 meeting. 1st Tuesday (food at 6 pm, meeting at 7 pm) at Historic Hangar #2 at Downtown St Louis Airport in Cahokia, IL For additional events, see the on-line calendar at:
<http://webpages.charter.net/dusterpilot/ea.htm>

We're on the Web!

Visit us at:

www.eaa64.org

Contacts

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