



The Beacon

The newsletter of Chapter 54
Lake Elmo, Minn.

JUNE 2007

JUNE 2007

THIS MONTH'S PROGRAM WILL BE ON
MONDAY JUNE 11, 2007.

- SOCIAL HOUR STARTING AT 7:00PM.
- MEETING AT 7:30PM. CHAPTER HOUSE, ENTRANCE B, LAKE ELMO AIRPORT.
- AT THE NEXT CHAPTER MEETING:
- LOCAL AUTHOR AND EAA MEMBER KATHLEEN WINTER WILL TALK ABOUT HER NEW BOOK TITLED "ANNE MORROW LINDBERGH". HER RESEARCH AND WHAT SHE LEARNED WHILE WRITING THE BOOK.

Looks Pretty but How Does it Fly?

Reported by Dale Seitzer



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Airventure is great because one can see new products, talk to other product representatives and purchase needed supplies, usually at a discount. I saw a new composite ground adjustable prop at the Sensenich booth. Sensenich has been building wooden props for years—I had a Sensenich prop on the Titan and I liked it. The new prop is a composite prop—they have been making wood props. Vans had a the same composite prop on their prototype, RV13—then I saw the same prop on the Cessna light sport proof of concept. Sensenich has been testing the prop in airboats for 4-5 years and they were ready to sell the prop for aviation uses.

They assured me the prop would work well on a Rotax 912, was easy to adjust and would increase take off and cruise performance. While not an endorsement from Vans and Cessna—the coincidence caught my attention. I bought the prop and picked up a digital level. A digital level allows one

(Continued on page 4)



FROM THE FLIGHT DECK (PRESIDENTS REPORT)

BY PAUL HOVE

My RV-7A project continues to move along. I have completed the required taxi tests and am now assembling the paper work for submission to the various FAA groups that seem to have an interest in what I am doing.

I have been in contact with our resident DAR EAA Chapter 54 member Richard Marr and he gave me a CD with all of the paper work requirements on it. It is a great tool!



All the construction gear at Valter's Aviation has finally left and the new self service gas pump is installed and working.



EAA Chapter 54 member Richard Marr has sent in an application to the National EAA for recognition as an EAA sanctioned Technical Advisor. The only other Technical Advisor in Chapter 54 is Bill Shanks who has been inspecting experi-

mental aircraft projects for a long time.

It is now time to proceed on the clubhouse expansion project and the picnic area by the MAC building. We are still looking for a project manager to get the planning done and organize the effort to get the work started. Dave Fiebiger has marked out the building site and we are looking for someone with a 12" power auger to dig the footings. If you know of someone get in touch with Dave and we can get the footings poured at the same time we put in the cement pad for the picnic area.

The chapter banquet held in Lake Elmo last month was a huge success. We had an excellent facility with great food. Dale and Betty Seitzer outdid themselves again with the arrangements and the guest speaker who shared with us his long career at Northwest Airlines as project manager for the DC-10 aircraft which NWA retired this year.

I have a hard copy of the NOTAM for AirVenture at Oshkosh. I will bring it to the next meeting and leave it for anyone who is interested in flying to Oshkosh or Fond Du Lac airports during the show week. I heard that the University of Wisconsin Dorms now have 600 names on a waiting list for rooms. Many of those go away when deposits are requested so if you need a place to stay you better get on the list soon.

Be sure to attend our next meeting on June 12th.

EAA CHAPTER 54 TREASURER'S REPORT

BY PAUL RANKIN

March 2007 Financial Summary

Checking Account	\$	8,786.32
Cash on hand	\$	40.00
<u>Investments</u>	<u>\$</u>	<u>6,364.86</u>
Total	\$	15,191.18

Income

Donations	\$	50.00
Calendar Sales	\$	60.00
Banquet Tickets	\$	363.00
EAA National Member Rebate	\$	40.00
<u>Membership Renewals</u>	<u>\$</u>	<u>250.00</u>
Total	\$	763.00

Expenses

Ground School	\$	14.15
Banquet Expenses	\$	256.16
Newsletter & Mailing	\$	43.34
Utilities - Electricity	\$	23.22
<u>Utilities - Gas</u>	<u>\$</u>	<u>110.17</u>
Total	\$	447.04

Net Cash Flow \$ **315.96**

(Editors note: Same information as last month, please see next month for information or the next meeting)

Every Pilots Dream Home!!!!!!!!!!



Chapter 54 Directory

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Chapter member meet on the second Monday of every month at the Chapter House, Entrance B at Lake Elmo Airport (21D). The House is at the base of the airport beacon. The newsletter is printed on the first Monday of every month. Parts of the newsletter may be reprinted with appropriate credit.

21D RCO 118.625
21D Unicom: 122.8
TPA: 1932'
Runways: 4-22 (2497' x 75')
14-32 (2850' x 75')

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to adjust a prop blade angle with very precise accuracy.

To make the new prop fit, I needed a prop extension—Sensenich did not make the size I needed so I contracted Mark German from Aero Fab to fabricate the extension. Mark built a Kolb Kolbra and has a machine shop where he makes aviation related products. As I was installing the prop and extension I realized I would need to modify the cowl also. Tom Gibbons offered to help—he really knows fiberglass techniques. The cowl is as strong as new and looks good.



I installed the prop according to the instructions with some help from Chapter 54 members on a Saturday morning. The prop is nice looking and looked great on the plane but there were immediate problems with vibration—on initial install one could see the engine shaking at idle. I checked everything again and reinstalled it a couple of times—each time checking with the digital level to make the prop blades within .1 degrees difference between the blades. After all that—still way too much vibration. I could put the old prop on and there was very low vibration so I assigned the vibrations to the prop.

I return the prop to Sensenich and they send me new blades and checked the hub. After more installations and rechecking still too much vibration so I send it back again and they send me a totally new package—all parts are new. They weigh each blade and check the center of gravity of each blade to match them. This time there was less vibration so I took it for a test flight.

The plane took off very well—I had better climb out speed and faster climb rate. Down wind was faster at a given rpm too, but the vibrations were so bad, things were vibrating off the dashboard. There was a buzz that was not normal. I sent it back and reinstalled the trusty Ivo prop.



The vibrations could have been due to softer engine motor mounts so I switched to new bushings, resynchronized the carbs and checked everything else I could think of. Others are still buying and using the prop so I think it is a good prop just not for my plane. The planes that the prop is working well on have the dynofocal mounts and the Rotax engines use barry mounts. Sensenich is a very good company and they make excellent props—I would try another composite prop if they make some design changes that would lower vibrations.

LOCAL EVENTS

Compiled by EAA Chapter 54

The event dates and locations listed here come from a variety of sources. There may be changes or cancellations. Please call ahead to verify that the event is taking place as scheduled.

June

June 9, 2007 Clear Lake MN EAA Chapter 551 Fly-In. Brats and beans served from 10:00a-2:00p **Leaders Airport (8Y6)**. Rain Date June 10. Spot Landing contest for free lunch. Mark Prigimeier 320-229-8563 Mark.priglmeier@mn.conpucredit.com.

June 17, 2007, Grand Rapids, MN. Fathers Day Fly In Pancake Breakfast. **Grand Rapids/Itasca County Airport-Gordon Newstrom Field (GPZ)**. This annual event is a major fundraiser for our CAP branch. It's a pancake breakfast fly-in that always brings in a good batch of planes. There are other displays and information available including military vehicles and aircraft, homebuilt, model planes, flying books and their authors and many other related displays. Held Fathers Day every year. Note that the Grand Rapids airport also has a lake for landing float-planes! <http://ironrangechap.com>.

June 17, 2007, Cambridge, MN. Fly-in Breakfast. **Cambridge Municipal Airport (KCBG)**. PIC eats free (fly-in only) Discounted 100LL Avgas.

June 17, 2007, Hutchinson, MN. CAP's Fly-In or Drive-In Pancake Breakfast 8:00 to Noon and Pork Chop Dinner 4:00 to 7:00 PM. **Hutchinson Airport (KHCD), Ken Butler Field**. Capt. Karl Heisel 507-647-2631.

June 17, 2007, Crystal, MN. Crystal Airport Father's Day Open house & Fly-In Pancake Breakfast. **Crystal Airport (KMIC)** \$6 per person PIC free. 7:30a-5:00p Warbirds, GA, Aviation Equipment, Airplane & Helicopter rides. 763-745-7888.

June 24, 2007, New Richmond, WI, Air Show 2007, **New Richmond Municipal Airport (KRNH)**, 7:00am Air Show at 2:00p. Military static displays, aerobatic performances, rides, hangar dance. Pat Anderson pla757@fronteirnet.net

June 24, 2007, Aitkin, MN. EAA Chapter 965 Annual Fly-in/Classic Car Show. **Aitkin Municipal Airport (AIT)**. Wildrice pancake breakfast, brat/burger lunch. 218-297-4104 miknjake@aitkin.com www.aitkinaviation.com

June 24, 2007, Fairmont, MN, Lion's Fly-in Breakfast, **Fairmont Municipal Airport (KFRM)**, 8am-12pm. Pancakes, Sausage and Eggs.

July

July 1, 2007, Winona, MN. Winona Max Conrad Fly-In/Drive-In Breakfast and Free Airshow, Breakfast 7:30a-11:45a, **Winona Municipal Airport-Max Conrad Field (ONA)**. PIC Eat Free. Kids Events! Enjoy breakfast in wonderful Winona on the Mississippi River! Steven Buswell (507) 452-2220 or funnsky@hbc.com

July 7, 2007, Superior, WI, EAA Chapter 272 Pancake Breakfast Fly-in, **Superior Bong Airport**, 8am to 11am. John Shallow, 218-729-7764, www.eaa272.org

July 10-11, 2007, Saint Cloud, MN. EAA's Aluminum Overcast B-17 Rides/Ground Tours. **St Cloud Regional Airport (KSTC)**, 9:30a-6:00p. Reservations/info: www.b17.org Sponsored by EAA Chapter 551. Mark Priglmeier 320-229-8563 mark.priglmeier@mn.conpucredit.com

July 14, Cook MN. Fly-In Breakfast and Lunch. **Raymond Hill Cook Municipal Airport (KCQM)** 8:30a-2:00p. Pilot door prize, Young Eagle Rides. For more information contact Cook Municipal Airport at (218) 666-9931

July 15, 2007, Grantsburg, Wisconsin. Annual Wild Rice Pancake Breakfast 7:00a-12:00p. **Grantsburg Airport**, RGNTS Hosted by EAA Chapter 875 Serving wild rice pancakes, eggs, coffee, juice, and milk. For more information contact: William Didlo 715-653-2619.

July 15-20, 2007, National Cross Country Air Races Wichita, Kansas to Stevens Point, Wisconsin Speed racing open to all pilots and all piston powered aircraft. Three events, cash, trophies, awards and scholarships. For more information and free entry kit see: www.us-airrace.org or contact: Patricia Purcell, 903-564-9410 or ppurcellk@aol.com.

July 17, 2007, Rush City, MN. Pancake Breakfast 8:00a-12:00p. **Rush City Regional Airport**. PIC's eat Free. Airplane rides, classic car show, Exhibits and more.

July 22, 2007, Preston, MN. Fillmore county Fly-in Breakfast **Fillmore county (FKA)** 07:30a - 12:30p Omelet breakfast! Ham, cheese, mushrooms, peppers and onions available. Doughnuts, coffee, milk and juice. Sponsored by Fillmore county Pork Producers. \$6 adults \$4 kids 4-10. NO P.I.C. Free. Contact: Kent Dornink 507-765-2582 kjd hills@yahoo.com

July 22, 2007, White Bear, MN. LLFC Pancake and Sausage Flight Breakfast. 7:00a-1:00p **Benson Municipal Airport (BBB)**. 320-843-4432 or www.llfc.net

July 23-29, 2007, Oshkosh, WI, EAA AirVenture 2006. www.airventure.org

August

August 4, 2007, Siren, WI. EAA Chapter 631 Young Eagles Rally 10:00a-1p. **Burnett County Airport (RZN)**. Jack Langland 715-469-3308 jacklangland@centurytel.net

August 4-5, 2007, Janesville, WI. 9:00 AM-Showtime noon, **Southern Wisconsin Regional Airport (JVL)** United States Army Golden Knights, military single ship demonstrations, Julie Clark, Patty Wagstaff, Kent Shockley and much more. Food and souvenir vendors. - Julie Dacy 608) 754-5405 <http://www.swairfest.org>

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August 2, 2007 Guttenberg, IA, 7th Annual Abel Island Fly-in, Float-in, Potluck BBQ 12:00p-3:00p. **Abel Island (GAA) (Formerly IA23)**. Land your floatplane on the river or land on our well maintained 2600 ft turf strip on a beautiful Island in the Mississippi River. Experience the fun of landing on a well maintained 2600 foot turf airstrip on an Island in the Mississippi River or land your sea plane and pull up on the sandy beach. What to bring? Your own meat to grill, covered dish, tableware and drink. We will provide grills, tables, coffee, water. We will also have additional disposable tableware. We will have some additional meat to grill for those that are unable to bring their own. Ample space is available for sea planes and boats to dock or beach. Special notes: In the interest of safety we must have VFR conditions reported at Prairie Du Chien, WI (PDC) of 2500 feet broken or better and visibility of 3 miles or better. PDC AWOS available at 608-326-9122 or 119.925. In the event of marginal weather you may contact Gary Fisher at 319-480-0913. <http://www.abelisland.com>

August 4-5, 2007, Milaca, MN. Milaca Airport (18Y). Fly-in breakfast Pot luck BBQ & camp out 5:00p Sat. Aug. 5th 2006 and fly-in breakfast Sun. Aug. 6th 2006. 7:00a-noon. Contact: Gary Judd [320-266-3822](tel:320-266-3822), <http://www.milacaairport.com>

August 5, 2007, Chetek, Wisconsin. Charity BBQ Fly-In. 10:30a – 7:00p **Southworth Municipal Airport (Y23)**. Warbird displays, antique and unique airplanes, antique & collector car displays and raffles for airplane rides. Proceeds will be given to local charities. For More Information Contact: Chuck Harrison fixdent@chibardun.net Phone: Office 715-924-4501 Cell 715-456-8415 Or Tim Knutson n3nknut@citizens-tel.net Phone: Home 715-237-2477 Cell 651-308-2839. www.cityofchetek-wi.gov.

August 5, 2007, The Longville 2nd Annual Fly-In Pancake Breakfast 8:00a-12:00p. **Longville Municipal Airport (XVG)**. Longville, Minnesota For more information contact: Kurt Dahlen at 218-363-3267

August 5, 2007, Red Wing, MN. Fly-In Breakfast. 7:00a-Noon. **Red Wing Regional Airport (RGK)**. Hiawatha Valley Pilots Association annual Fly-In Breakfast (PIC eat free). Blue Airways 715-594-3999 www.blue-airways.com.

August 11, 2007, Menomonie, WI. Annual Fly-in pancake breakfast **Menomonie Municipal Airport-Score Field (KLUM)**. 7:30 AM - 11:00 AM Pancake breakfast, static aircraft displays, airplane rides, parachute demonstration and other activities. Louis Parffel 715-233-5636 louiswp@wwt.net

August 12, 2007,) Lino Lakes, MN. Annual MSPA Pig Roast & Fly-In 12:00p-4:00p. **Surfside Seaplane Base (8Y4)**. MSPA members and kids 12 and under eat free. Non-member adults \$10. Contact: David Langer david@langercommercial.com For more info see website at: www.mnseaplanes.org.

August 12, 2007, Lake Elmo, MN. Aviation Day Fly-In Pancake Breakfast. 7a-Noon. PIC'S Eat Free. **Lake Elmo Airport (21D)**. This event will feature static displays

and fly-bys of modern, vintage, military, experimental and ultra-light aircraft. There will also be static displays of aircraft restoration and home-built projects, radio controlled models, vintage Jaguar sports cars, kid's activities and educational programs in aviation. Sign up for Young Eagle Flights. Lief Erickson 651-439-5040 lericks@presenter.com www.eaa54.org

August 18, 2007, Forest Lake, MN, 6th Annual Fly-In, 10am-4pm. **Daniel A. Deponti Airport (25D)**, grass, 3000-foot runway (31/13). 10:00a-4:00p Brats, Hamburgers, Corn-on-the-cob, Ice Cream served by local ice cream parlor. John Schmidt 651-776-1717 www.ci.forest-lake.mn.us

August 19, 2007 Pipestone MN. Annual Fly-In Pancake Breakfast. **Pipestone Municipal Airport (PQN)**. Pipestone MN 7:30a-1:00p PICs Free. 507-562-2473.

August 25, 2007, Glencoe MN. 8th Annual Brat & Sweet Corn Feed Fly-In 10:00a-2:00p Sponsored by: Glencoe's EAA Chapter 92. **Glencoe Municipal Airport (KGYL)**. Glencoe, Minnesota. For more information contact: Stuart Selchow 320-238-2376.

August 26, 2007, Cumberland, WI, Fly-In Breakfast, **Cumberland Municipal Airport (KUBE)** 7:00a-11:00 a Pancake Breakfast All You Can Eat 11:00a to 12:00p aerobatic demonstration (field will be closed). Rutabaga Festival in Cumberland, transportation available on Sunday Camping on field, either by your plane or drive in camping. Al Seierstad 715-205-4474 al-lans@centurytel.net www.cumberlandair.com.

September

September 1, 2007 New Lisbon WI, EAA Chapter 1365 Fly-In Breakfast. Mauston/New Lisbon Union (82C). 6:30a-3:30p Flea Market, Music Swap meet, Aircraft and Classic Cars on display. RC Aircraft display and show. Lunch from 11:00a-3:30p. Tom Chudy 08-565-2136 tchudy@accratech.com.

September 1, 2007 Shell Lake, WI. Annual Fly-In Breakfast, 7:30a-11:00a, **Shell Lake Municipal (KSSQ)**. Pancake and sausage breakfast, town and county days events. Bill Albright 715-468-2963. Niel Peresen 715-468-4592 daneth1@earthlink.net

September 2, 2007, Mondovi, WI. 21st annual fly-in 7:30a-12:00p **Log Cabin Airport (WS69)** Frequency 122.9 Doug Ward 715-287-4205.

September 8, 2007, Osceola, Wis. Wheels & Wings Pancake Breakfast. **Simenstad Municipal Airport (OEO)**, Transportation to Classic Car show and craft fair Jeffrey Meyer, 715-294-2618 meyerjk@centurytel.net.

September 8, 2007, Worthington, Minnesota. Pancake Breakfast & Fly-In **Worthington Municipal Airport (OTG)**.

September 8, 2007, Superior, WI EAA Chapter 272 Pancake Breakfast Fly-in, 8:00a-11:00a. **Superior Bong Airport (SUW)**. John Shallow, 218-729-7764, www.eaa272.org

September 9, 2007, Maple Lake, MN. **Maple Lake (MGG)**. Pork Chop Dinner Fly-In. 20th annual. Sponsored by EAA 878 and Wright Aero. 11:30a -2:00p. Wayne Flury 763-477-6021 wflury@wh-link.net

HANGER TALK

Happenings around 21D

My RV-7A wing cradle as available for FREE to a good home. It is in EXCELLENT condition, is on wheels that roll really well and even lock in place, and will possible work for the wings of other RV models with little or no modification. Attached is a picture. I have it in my hangar (41F Mooney Lane), who ever wants it can come by and I'll even help them load it. They can reach me by e-mail or by phone as listed below.

Travis Hamblen TravisHamblen@gmail.com
651-269-6542

Please help us get the word out.
This is how we help pay for our Young Eagles Program!
Many Thanks!!
EAA 1174 members

Annual Fly-In / Drive In Breakfast
Fergus Area EAA Chapter 1174
Sunday June 10, 2007
8 am to 12 Noon
Fergus Falls Municipal Airport
(One Mile West of Fergus Falls on Hwy 210)



KFFM CTAF 122.8 VOR & AWOS 110.4

PIC
eats
Free



Young Eagles Report *by Dave Becker*

Our Chapter 54 pilots and ground support provided Young Eagle flights to a total of 41 kids in May. A special Young Eagle event was scheduled on 5 May for a group of boy scouts who camped out at Lake Elmo over the weekend. The weather was not suitable for flying and the Young Eagle event was canceled. Our regularly scheduled event on 12 May produced 36 Young Eagles for a busy but enjoyable day. We hosted another special event on 16 May for 5 Young Eagles from a local school.

We have made some procedural changes that will make the events flow better. One of the changes involves the completed registration forms which are no longer given back to the child to hold until his flight. The completed forms will go directly to the manifestor who will use them to assign a pilot to the next child in line for a flight. The manifestor will give the registration form to an escort who will locate and walk the child to get the certificate printed and then out to the waiting airplane. Once the escort is assigned a child, he will be with that child until he turns the child over to the pilot. This seems to be working much smoother from a logistics standpoint. Printing the certificates gives them a professional appearance and has been very well received.

Another great addition to our Young Eagles program is a new photo album that Paul has added to the EAA54 web site. This on-line photo album will generate a lot of excitement and goodwill. Thanks to all the EAA members who participate in the Young Eagles program. If you wish to participate as either a pilot or ground crew, please contact Dave Becker.



TAXI TALK

{Interesting Happenings compiled by the editor}

Congrats Paul!!

I would like to take the time to offer my congratulations to our President Paul Hove for his first start-up and taxi tests of his Vans RV-7A recently. I first met Paul at one of the our monthly meetings when he said to the members to stop on by his project sometime. When I first met him, he was building his plane out a hanger on the west side. Being I live so close to the airport, when I saw his car or the opened hanger door I would swing by to see what was going on often. He actually would let me help him work on it at times so that was trustworthy I would say. Paul and I really got to know each other when we drove in my car to Oshkosh one spring for our chapter weekend work party. After he moved into his present beautiful new hanger on the north side I would visit often and sometimes we would go to lunch for a break. Long story short people, GET TO KNOW YOUR FELLOW CHAPTER MEMBERS!! It is rewarding and you never know how much fun you could have visiting projects and seeing their neat hangers. I will miss the building times with Paul but wish him smooth wind beneath his wings!!

EAA and Hertz

I have to tell members how your EAA membership works for you. Next time you need a rental car, use your EAA membership for some great rates. When I was planning my trip to Nashville for my painting class, I planned to use

my airline discount for the rates, I usually use Avis. This time I thought I would check to see what our EAA membership does for this. When I compared my airline rate to the EAA rate, the EAA rate was a little better which is hard to believe because usually my airline rate is hard to beat. I went with the EAA deal on Hertz and when I went to pick up the car, ready for this.....they only charged me \$26.47 for a mid-size, unlimited miles for two days!! So next time use your EAA membership.

Flight Following

On my way to my painting class in Nashville via the airlines I got a window seat and it was a beautiful sunny day so like I always do, I pulled out my sectional charts. I know strange, but when I can, I love to follow my path out the window when I fly the airlines. I always plan to carry the charts needed and if I get a window seat and if it is clear out where I can see the ground I follow my path. This time it was a perfect day and I followed our path into St. Louis, where I connected, and again to Nashville. I do not like to make it obvious so as not to scare fellow passengers for some reason or another so I am careful when I do it. I thought I was careful this time but when we landed at St. Louis, a passenger across the aisle, I was on a small regional jet, commented that I had something more than a road map, so I quickly mentioned to him that I was a private pilot and I do it for entertainment and he understood. Oops!! Thought I was more careful than that! Caught in the act!!

Contact Information for Newsletter Stories

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E-Mail: TomisFlyingby@comcast.net



EAA CHAPTER 54
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LAKE ELMO, MN 55042

CLASSIFIEDS AND QUOTE OF THE MONTH

For Sale:

Whittman Tailwind Project
 Plans, welded fuselage with controls, fuel tank,
 motor mount, nose bowl and spars and ribs.

\$2,200.00

Contact Ross Sublett
 Phone # 651-407-6449
 e-mail rosssublett@hotmail.com

For Sale:

Hartzell Prop HC-C2YK-1B-72"
 Use on 160-180 Lycoming, Eddy current tested
 500 hrs SMOH \$1500.00
 Can be seen at Hangar 19C Cessna Lane
 Lake Elmo MN 651-773-7031

**The airplane has unveiled for us
the true face of the earth.**

*— Antoine de Saint Exupery,
Wind, Sand and Stars.*