



The Bend High Desert Flyer of Chapter 1345

WEBSITE: <http://1345.eaachapter.org/>

KBDN AWOS 134.425

APRIL 2013, VOL12, #4

PREZ SEZ:

It's April already and the year is flying by! The "BIG" news is that we only have 6 weeks till the B-17G "Aluminum Overcast" arrives on our doorstep.

A lot of work has been done so far and there is a lot more to do. We are going to start selling raffle tickets to get a ride during the next 2 meetings. Tickets are \$20 with a maximum of 25 tickets sold per seat. We have up to 10 raffle seats available, with most going to different groups around town.

This project has taken up most of my free time along with everything else life has thrown at me lately. I haven't been able to get up flying or work on my projects as much as I would have liked to but the flying season is upon us. Where do you want to go?

April 9-14 Sun-n-fun Florida

April 13 EAA 617 breakfast/ meeting 8- 10 AM

July 11-13 Arlington Fly-in Washington

July 26-28 HIO Airshow- Hillsboro

July 29- Aug 4 Oshkosh

August 10, Prineville "Airport Day"

August 23, Madras Airshow

Our next meeting will be above the ProAir maintenance hanger, Wed April 10th.

Not sure what Henry has in store for us but Pizza will be @ 6 o'clock with the meeting starting @ 6:30pm.

See you then,

Thomas Phy, President

Treasurer's Report

Financial: For period 1/1/2013 to 3/31/2013

Total Income:	\$537.80
Total Expense:	\$554.95
Net Income (Loss)	(\$17.15)
Cash Balance:	\$2,098.79

Jack Watson, Treasurer

March Meeting Minutes

Minutes of a regular meeting of The Chapter, held on March 13, 2013, at the stated meeting place on the second floor of the Pro Air maintenance facility at 63138 Powell Butte Hwy.

ATTENDEES

In attendance were, Tom Phy, Jack Watson, Bruce Myers, Mike Pederson, Dale Anderson, Charles Brown, Erik Rustand and Henry Graham.

CALL TO ORDER

President Thomas Phy called the meeting to order at 6:30 p.m., followed by self-introductions of all in attendance with comments from each as to the status of their projects and other items of interest to the group.

MINUTES & TREASURER'S REPORT

As the March minutes and Treasurer's report were published in the newsletter, without objection, they were accepted as published.

OLD BUSINESS

None

NEW BUSINESS/ PROGRAM

President Phy then gave the group a run down on the progress to date concerning the EAA B-17 Project scheduled to visit Bend in May:

Aluminum Overcast is scheduled to arrive in Bend, Monday May 20th and "Media Flights" are scheduled for Monday around 1 o'clock.



Air tours are to take place Tuesday May 21st with ground tours that afternoon after all flights have flown.

Five flights are scheduled (more if needed to fly all sold seats) with ten sold spots per flight (they fly with a min of 6). All passengers will be at the discretion of the PIC, from how small/ young to how frail/ old.

The flight crew is staying at one of the crews homes here in the Bend area so no hotels are needed.

Jim Stone has taken lead of the retail end of the stop over and will need volunteers to help out.

Dale Anderson is talking to groups in Sunriver and could use some help with contacts there.

Norma, the Bend airport cafe manager will discount the flight crew's meals.

Bob Carrol is working on the Veterans groups (and there are a lot of them) and can use some help getting in touch with all of them. Contact Bob and myself to help Bob out.

Pro Air has offered up their ramp space (front & center) for the duration as well as their courtesy cars if they are available and has offered a discount for fuel, (Self-serve \$ over truck \$) and we are seeking a "gift" from their supplier.

Steve Gibson has offered to help with whatever needs to happen.

10 raffle tickets are available through our chapter (although we don't get our commission for these). I haven't talked to national about this yet so I don't know if they have to be paid for in advance. I think we can offer them up to groups like the veterans. I'll find out this week.

The Informational "package" should be on its way to us which includes 50 posters at the 8.5x11" size and 100 posters of the 11"x17" size (these are the ones that the sponsors will be advertising on) that we can sell space on.

VIP ground tour passes to be distributed at your discretion among deserving volunteers, families, and sponsors.

National said that they are putting together a "package" for helping inform the sponsors but they have not yet given me any reference as to how much to ask for so I'm taking suggestions. We will be "re" printing them locally with our sponsors' logos.

EAA will have two 5th wheel trailers that open from the side to sell souvenirs and provide maintenance.

More information will be forthcoming later in the week.

ADJOURNMENT

The meeting adjourned at 7:30 pm to reconvene, at the regular meeting place, on April 10, 2103.

Jack Watson, Secretary/Treasurer



What's this got to do with aviation? (see next page)

If you're traveling this summer you may also see Aluminum Overcast at the following locations:

(Schedule subject to change)

Dates	City	Airport/Host
April 26-28	Torrance, CA	Zamperini Field (TOA) - Torrance Air Fair
April 30-May 1	Chino, CA	Chino Airfield (CNO) - Warbird Squadron 16
May 3-May 5	Camarillo, CA	Camarillo Airport (CMA) - EAA Chapter 723
May 7-8	Paso Robles, CA	Paso Robles Municipal Airport (PRB) - EAA Chapter 465
May 10-12	Hayward, CA	Hayward Executive Airport (HWD) - Vintage Chapter 29
May 14-15	Ukiah, CA	Ukiah Municipal Airport (UKI) - EAA Chapter 1027
May 17-19	Eugene, OR	Mahlon Sweet Field Airport (EUG) - EAA Chapter 1457
May 21	Bend, OR	Bend Municipal (BDN) - EAA Chapter 1345
May 28-29	Nampa, ID	Nampa Municipal Airport (MAN) - Warbirds Squadron 2
May 31-June 2	Ogden, UT	Ogden-Hinckley Airport (OGD) - EAA Chapters 23 & 58
June 5-9	Denver, CO	Denver Centennial (APA) - Wings Over the Rockies Museum
June 11-12	North Platte, NE	North Platte Regional Lee Bird Field (LBF) - EAA Chapter 562
June 14-16	Lees Summit, MO	Lees Summit (LXT) - EAA Chapter 569
June 18-19	Norman, OK	U of OK Westheimer Airport (OUN) - EAA Chapters 1098 & 24
June 21-23	Fayetteville, AR	Drake Field Airport - EAA Chapter 732
July 2-3	St. Louis, MO	St. Louis Downtown Airport (STL) - EAA Chapter 64/Fair St. Louis Air Show
July 5-7	St. Louis, MO	Spirit of St. Louis Airport (SUS) - EAA Chapter 32
July 26-28	Madison, WI	Dane County Regional Airport Truax Field (MSN) - EAA Chapter 93
July 29-August 4	EAA AirVenture	Outagamie County Regional Airport (ATW)

Kamov Ka-56

In 1971 the Kamov Design Bureau was ordered to produce a new ultralight helicopter for Soviet military service.

Special requirements for this helicopter were that it should be transported in a 500mm diameter cylindrical container and assembled for flying within 15 minutes after unpacking from the container; also that the Navy could pull (launch?) the helicopter out of a submarine's torpedo tube. The plan was to use a 40hp air-cooled rotary engine which burned auto fuel.



A full-scale mockup was built first to optimize the helicopter to make it compact and easy to assemble. The test platform was built next, which included a real engine, contra-rotating rotor (no tail rotor) system, transmission and controls.

The only parts which were detachable from the helicopter for transportation were 4 main rotor blades. All other parts were easily folded. The actual time to assemble the helicopter was only 10 minutes.

Technical data:

Take-off weight: 220kg, payload: 110kg, Max. speed: 110kph, Max. ceiling: 1700m, Max. range: 120km

Unfortunately Ka-56 was never flown due to a lack of suitable rotary piston engine. Kamov still exists today as part of Russian aerospace company OPK Oboronprom.

NOTE: In January 2013, Diamond Aircraft's Austro Engines bench tested a new dual FADEC-controlled rotary aircraft engine, the AE80R, with a weight goal of 60 pounds and power output of 80 hp.

'Swept-wing' prop



Taking a lesson from swept-wing military airplanes, business aircraft modification company Raisbeck Engineering and Hartzell Propeller have partnered to create a new Beech King Air 200 series propeller that dramatically boosts takeoff and climb performance over stock props. The new Raisbeck/Hartzell Swept Turbofan propeller claims a 1,000-foot reduction in takeoff performance over a 50-foot obstacle compared to stock King Air B200 props.

Raisbeck officials say the technology behind the new propellers evolved from aerodynamic swept-wing theory, which allows for measurably lower drag on aircraft wings flying at high subsonic Mach when swept aft. The result is a 96-inch highly swept blade—three inches longer than the stock factory blades and two inches longer than Raisbeck's existing line of King Air Power Prop replacement props, which will continue to be available. The Swept Turbofan blades are three inches longer than the current Hartzell props offered from the Beechcraft factory. Even with the greater length, the new propeller system is no heavier than the existing products.

Raisbeck engineers report that the greater diameter accounts for most of the takeoff and climb improvements, while the highly swept design accounts for a reduction in cockpit and cabin noise. Normally, larger diameter props result in increased perceived noise levels.

The new Raisbeck/Hartzell partnership to create the Swept Turbofan propellers was announced on Jan. 1, 2013. However, the project has been underway for three years, according to James Raisbeck, founder of the modifications company. The new propellers sell for \$83,400 a pair from the company's 100 dealers around the world. Shipments are scheduled to begin in March. The price is \$8,900 higher than Raisbeck's existing Power Prop line.

1st Young Eagles event of 2013

Prineville - May 18th

For info and registration.

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Drone sighting near JFK

ABC News reported on a possible drone sighting near JFK Airport in New York last month as commercial planes were taking off and landing.

"Now experts say drones will eventually become a day-to-day part of life used in weather and traffic reports. Even for finding lost dogs and cats" ABC reported. The unknown flying object was sighted by an Alitalia pilot who was in his final approach into JFK when he said he saw something hovering about 200 feet away.

The New York Post quoted unnamed sources saying the "drone" was black and had helicopter rotors on its corners.

In an audio recording played on ABC, the Alitalia pilot says: "We saw a drone, a drone aircraft."

The control tower is then heard warning other aircraft, telling one: "Delta 1368, use caution. There was a report of a drone aircraft on about a five-mile funnel 1,500 feet."

The Joint Terror Task Force and Federal Aviation Administration are reportedly probing the alleged drone sighting.

FAA spokeswoman Laura Brown said in a statement to CNN: "The FAA is investigating a report. ... He saw a small, unmanned or remote-controlled aircraft while on final approach to Runway 31 Right."

CNN pointed out it is illegal to operate drones within three miles of an airport without first notifying air traffic controllers.

The news network added that "flying unmanned aerial vehicles is illegal for most business purposes; however, governments and public entities such as police departments can apply for permission to operate them."

Read more at <http://www.wnd.com/2013/03/drones-to-be-used-to-find-lost-dogs-cats/#Wd7BdK4HtApr7KIq.99>

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