



Barnstormers' Newsletter - January 2024

President's Report

Welcome Barnstormers!

Flash!

No meeting in person at Aurora Airport Monday, January 15! As mentioned in an email yesterday, we will have a Zoom meeting Monday night beginning at 7:30.

Here is the Zoom information to log in.

<https://us02web.zoom.us/j/89105107039?pwd=K1hoMCIXQINla05Dbmd6VGxRcIN2QT09>



Happy New Year!

First of all, we are not seeing members renew their membership to the degree we would like. If you have not yet renewed, please take action now. Remember too that you need to provide a currently active AMA membership number with your renewal.

As mentioned previously, if your AMA membership is current now, it may be expiring over the course of this year and you need to ensure that it is renewed if you want to continue your Barnstormers membership. We have developed a process to determine AMA status on an ongoing basis and will send you a notice in addition to what the AMA does.

So, please act now and get it done. Use PayPal or send a check to complete your renewal. If not renewed by the end of January, you will be dropped at our February meeting.

Departmental reports are below. With the meeting not being in person, no raffle or 'show and tell' but if you have a subject you would like to discuss, please do so on the Zoom call.

There are many of you that do not attend our meetings, whether at the field or at Aurora Airport. To encourage everyone to attend, we will be discussing a very interesting subject concerning batteries at our May 20 meeting, the first of the year back at the field. If you think of other interesting topics that the club should be discussing, let us know.

Lithium Ion batteries

I have asked Ken Melville, a Flyaways member, to talk about the benefits, technical specifications and opportunities that lithium ion batteries can offer for use in remote control aircraft. Ken will discuss recent developments with these batteries and demonstrate them.

Ken uses Molicell single cell Lithium Ion batteries and welds and solders them together as you can see in the photos below. They are wrapped in heat sensitive tape that dissipates heat and then shrink-wrapped. He has produced a number of various sized batteries for other members of his club, as well. For 6S or larger, he prints a rack on his 3D printer for the cells that provides spacing for adequate air circulation, some including a fan at the end of the stack.

Lithium ion batteries are generally much safer than Lipos. They are not as much of a potential problem as Lipos if not in storage capacity and do not get puffy if not reduced to storage capacity. The goal should be storage for long life at 3.85 volts. They do not get as hot and while they do not have as much power at the high end at full throttle, they can provide twice the flying time. They also have almost double the expected number of cycles of Lipos.

Ken, who is an electronics engineer working in the Hillsboro area, flies a number of jet models flying utilizing much larger capacity batteries than I use and creates his own battery packs for them.

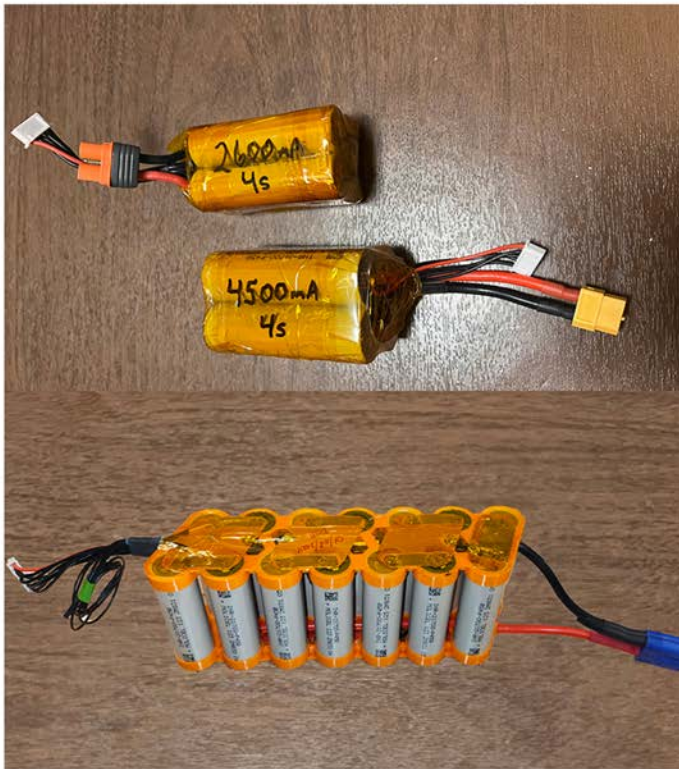
If you want to see more on the subject, you can go to RCGroups and look for battery information. Ken's contribution comes through his blog - deadstickduck on the site. Lithium ion batteries are not yet a common item for our sport but seem to offer excellent potential.

Ken will also discuss use of capacitors in aircraft that can help protect them should there be a brownout between the plane and the transmitter. He uses 3300 μ F 16V capacitors for that purpose and connects them to a port on the receiver.

I think the subject is fascinating and Ken's insight and experimentation with lithium ion batteries will be of great interest. Mark your calendar and plan on attending! You may very well see Ken at Barnstormers between now and then so you will see what he flies if you are there.

We still have some Barnstormers hats if you are interested. Let me know.

Regards,



Enter your text here

Vice President's Report

Winter Flying

Cheers my fellow Barnstormers. Hope the holidays treated you well with RC gifts under the tree.

A couple quick reminders about winter flying. Winter flying can be a bit chilly on the fingers but can be a great time to fly.

First of all, always keep your batteries at a reasonable temperature. I always try and remember to keep them in the house when storing and charging. While charging or flying your batteries, they will not be as efficient if they are cold. I find it interesting that even the electric cars these days will actually warm up the batteries to efficiently receive a charge.

Secondly, remember the colder air is thicker, more dense than warmer air. Therefore your aircraft handle more efficiently in these colder temperatures. I actually have an airplane that will easily hover on the prop in the winter time and struggles in the warmer summer time. I love the winter air!

Remember – Airspeed is everything! Cheers.

Kyle Huberd

United Airlines Flight Operations
Captain, Check Airman, A320 SFO



Field Manager's Report -

Wet, wet and wet. Seems to be the condition at the flying field. Not much going on, but if you do go to the field on a decent day for flying, be sure to be careful on where you drive and park. Ground is extremely soggy.

I've been out rolling the runway and surrounding area with our 1000 pound roller in between rainstorms.

Harry Lenz
papaharry2@yahoo.com



Treasurer's Report and WebMaster

Although unable to attend the January meeting, we need to get everyone who is interested to get their dues in. Financials for the club are in fine shape and we are looking forward to a good 2024.

Please check out the calendar page occasionally since we will be posting all club events there.

This year, we ask that along with you sending your dues payment, you also send an email with the FAA certification number as well as self-certifying that you have taken and passed the FAA on-line test. Please send that email to Curt Boardman at cantpdx@yahoo.com. Payment for renewals can be made by check sent to J. Wytmsa, 333 E Taylor Dr., Newberg 97132, or PayPal. If using PayPal, please login to PayPal.com and once in enter the payee as treasurer.barnstormer@gmail.com. Do not click on the email link or it will take you to your email program. Also, if you use PayPal, please hit family and friend's button. Dues renewal is \$100.

Please do not hesitate to ask Curt or me via email if you have any questions.

Thanks
John



Secretary and Safety Officer

Greetings Barnstormers! We have not had some great wonderful flying days lately, unfortunately.

As I have mentioned before, I am committed to ensuring the safety of everyone and their model aircraft while flying. Safety is everyone's business and responsibility. I previously

indicated that there are a growing number of EDF jet model aircraft being flown by our members.

The smaller size and increased speed of these models can be challenging to operate within the designated flight area of our field. I ask for everyone's cooperation to ensure that all flights stay within the designated area.

That's it! Safe flying (when the weather permits)

Dave Derhalli
Safety Officer and Secretary
david.rd@comcast.net



Flying Instructor's Report

Training continues on Saturdays with sessions starting around noon, weather permitting. Be sure to factor in the wind because anything over 10 MPH and gusty conditions can be challenging for new pilots. If you will be working with a new or unfamiliar radio, it is always helpful to bring along the user manual.

Instructor Greg Meyers is willing to work with new pilots during the week, depending upon his schedule. Contact him at 541.517.5036 and gms1021@gmail.com

Dan Phillips
503-692-5917
Danp52@frontier.com



Membership Committee

Need more renewals! Please get them in!

Dues are \$100 for the year. Dues can be paid through PayPal, by check, whichever you prefer. We need to have all dues into us by January 31 in order to be completed prior to the deadline. Be sure to check that your AMA member dues are current.

This year, your board is required to have on file your FAA number and on the honor system, your verification of the TRUST certification (acknowledgement of completion is all we need).

If you need a name badge, please let me know.

Should any of you not have my contact information, it is:
Curt Boardman
336 4th Street, Lake
Oswego, OR 97034

Happy flying when you can!!! Preferably wheels down when landing!!

Curt Boardman, cantpdx@yahoo.com
503-807-8729





We thank Brad for allowing us to use his software to draft our newsletters and distribute to our mailing list. Thank You.

Note from Brad:

Keep us in mind when your friends and neighbors start talking about a real estate move. Having someone you know and trust who also is in the top 3% in the state is a strategic advantage.

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