



PLANE TALK

PROP MASTERS R/C NEWSLETTER



AMA CHARTER CLUB #397

NAPERVILLE, ILLINOIS

FEBRUARY, 2014

Well I have officially decided I hate Snow and Cold more than Sun and Heat. If I start complaining at the field in June just remind me will you! We just have to make it through February and those first few weeks in March and we can "call the ball" on this winter.

Some of our members have been getting in some flights by braving the cold and frozen fingers. The closest I came to the field was to stop and admire the beautiful snow drifts from my car on high heat as I drank my hot coco. Yes we big guys drink Hot Coco too!



You should be at the covering stage or close to it by now on your winter projects. We had a flurry of winter project pictures sent to the mail list. It seems the field will be flourishing with new planes in the spring and that's awesome. If you have building pictures send them out using mail@lists.propmastersrc.org (you have to join the list first, visit the contact us page on our site)

Planning for this year has been completed and a budget was approved by the board. We have some fun events planned for 2014 so keep posted on the Newsletter, web site and meetings.

THE HATS ARE IN so pick one up at the next meeting and get ready for spring. The hats are 15 dollars and look great!



Our next monthly meeting will be on Tuesday, February 25th and I have asked that the weather be clear for that month. I don't think I can handle missing two meetings in a row. ☺

We have scheduled the indoor simulator fun-fly for February, so get some simulator time in before the meeting. Also our first presentation of our "Knowledge Series" will be by Jeff Gittelman on the newer Taranis Transmitter. Wait until you see what this reasonably priced transmitter can do!

Need to get out of the house? The FVAC Swap show is on Saturday February 22nd, this is a great event to get ready for spring, see you there. FOX VALLEY AERO CLUB, e-mail: jtgrassroots@yahoo.com or jtpe@aol.com Radio Control Swap Meet from 9:00 a.m. to 2:00 p.m. Admission \$5.00 adults, kids under 12 free. Table rental \$15 prepaid; \$20 after February 1. Billed as "Biggest swap meet in Illinois" Kane County Fairgrounds.

Fly Safe, Have FUN
Be safe, Have Fun, The Pres





Financial Report

Bill Hickey



Financial Report January 1, 2014 to January 31, 2014

Description	Operating Fund	Field Fund	Total	Comments
Balance January 1, 2014	\$ 691.79	\$4,006.54	\$4,698.33	
Income:				
Dues	160.00		160.00	2014 dues are coming in.
Brand Items	28.00		28.00	Final receipts for APY Shirts.
Total Income	188.00		188.00	
Total Cash Available	879.79	4,006.54	4,886.33	
Expenses:				
Hall Rental	1,200.00		1,200.00	2014 Rent.
Brand Items	512.99		512.99	Xmas Auction food.
Total Expenses	1,712.99		1,712.99	
Balance January 31, 2014	\$(833.20)	\$4,006.54	\$3,173.34	

Attention Members

It's time to pay your dues. The regular membership dues are \$40 per year, a family membership is \$55 and a junior membership is \$15. Please note that if you joined the Club during the last quarter of 2013, your dues carry over into 2014 and no additional payment is required.

When paying your dues, please complete an updated membership form and either mail the form with your payment to me or turn it in with your payment at the next meeting. The membership form is on the Prop Masters website and is also included with this newsletter. Checks should be made out to the Prop Masters R/C Aero Club and my address for mailing is listed below:

Bill Hickey, Prop Masters Treasurer
305 White Oak Drive, Naperville, IL 60540
wjh08@wideopenwest.com

Newsletter Contributions

Send articles or pictures of interest to the club to:

newsletter2013@propmastersrc.org

**The deadline for submissions is the second
Tuesday of the month.**

**Club Newsletters are posted at the club
website: www.propmastersrc.org.**



Meeting Minutes

Dave Cotton



Meeting minutes - January 28, 2014

Opening:

The January 28th meeting was cancelled due to extreme weather conditions.

Committee

Reports:

Newsletter

Safety

Fun Fly

Forest Preserve

Website

Library

Instruction

Fundraising

Publicity

Nomination

Air Show and Picnic

Old Business:

New Business:

New Members & Guests:

Lost Horizons:

Show and Tell:

(See photo section)

Raffle:

Closing:



Fun Fly Committee



Fun Fly #2 Indoor Prop Masters 500 (We're going to try it one more time)

The first Fun-Fly of the year will be held at our next meeting on February 25th and will be a variation of the Prop- Masters 500 using a simulator. With the aircraft starting from the 'Reset' position on the simulator, the pilot will taxi to the far end of the runway, turn around again and take off. Time will start when the plane begins moving off the reset position. The pilot will then perform the required maneuvers for his pilot class before landing. The time will end with the first hit of the main gear on the ground.

- One loop for Beginners
- Two loops for Novices
- Three loops for Advanced
- Four loops for Experts

Crashes or tipping the plane so that the engine stops will result in a D.N.F or CRASH and no time will be scored. Ten Seconds will be removed from the total time for landing with the engine running. Ten seconds will be added for not landing (first touch) on the runway.

Everyone gets 20 points for participation. First five finishers will be awarded 50, 40, 30, 20 and 10 points respectively.

2014 CLUB CALENDAR

Monthly Meeting	Fun Fly Date	Fun Fly Event	Notes
	January 1 st	Polar Bear Fun Fly 10:00 am at the field	
January 28 th		Fun Fly #1 at the meeting	Mtg. cancelled due to cold weather.
February 25 th		Fun Fly #2 at the meeting.	
March 25 th	March 30 th	Fun Fly #3 Bull's Eye Spot Landing	
April 29 th & Winter Project Judging at the mtg.	May 4 th	Fun Fly #4 Fast -N- Slow	
May 27 th & Flight Box Beauty Contest	June 1st	Fun Fly #5 Prop Masters 500	
	June 22 nd	Fun Fly #6 Barnstormers Contest @ their field	
June 24 th & Beauty Contest	June 29 th	Fun Fly #7 To be Decided	
July 29 th	August 3 rd	Fun Fly #8 Qualification Sunday	
	August 23 rd	Tailgater Swap Meet	
August 26 th	September 7 th	Annual Prop Masters Picnic and Air Show	Picnic postponed one week due to Labor Day Holiday
September 30 th	October 5 th	Fun Fly #9 Climb & Glide	
October 28 th	November 2 nd	Fun Fly #10 Crazy-8's	
November 25 th	November 30 th	Fun Fly #11 To be decided	
December 30 th & Christmas Auction		Merry Christmas & Happy New Year!	



Hints, Information, Tips and Stuff

Larry Dudkowski



One of the most critical aspects of building or putting together a kit or an ARF is the balance. A lot of how your aircraft will perform depends on how you balance it. Unlike a helicopter that “beats the air into submission” an airplane is balanced on the air. While it’s one of the last things you do when either building a model from a box of “sticks” or snapping together an ARF its one of the most important. ”

Somewhere in the directions you should find a note or paragraph on “Balancing” or on how to determine the CG or Center-of-Gravity of your model. This is usually towards the end of the instructions. Unfortunately in most instructions there is only a sentence or two saying something like “Balance the model 3” – 3 ½” inches behind the wing’s leading edge. The CG is usually given as a range dimension and is about ½ inch wide. It is generally measured from the leading edge of the wing usually where the wing meets the fuselage. For example the CG could be given as 3” - 3-1/2” from the leading edge. The location of the measurement is extremely critical on a tapered wing such as on an Extra 300 or Cap 232. It is less important on a constant cord (straight) winged model such as a trainer. I try to balance the aircraft in the center of the “Balance-Point”. If the CG is 3” - 3-1/2”, I balance at 3-1/4”. Also don’t forget to balance the model laterally (wingtip-to-wingtip) too.

What happens if your model is out of balance? The classic answer is “It depends”. If unbalanced laterally (wingtip-to-wingtip) your model will tend to veer to the heavy side in a climb. Your loops will tend to “cork-screw” also towards the heavier side. Nose heavy? Look for longer take off runs (need faster take off speed). On landings the stall speed is also increased resulting in faster landing speeds. The model will track straighter and be less sensitive to elevator and rudder inputs. Tail heavy and just the opposite is true. Landing and takeoff speeds are slower. The aircraft becomes very sensitive to elevator and rudder inputs. Too tail heavy and the aircraft becomes uncontrollable. Read crash here.

To balance a model, begin by suspending or supporting it at the CG points. It should be free to tip forwards and backwards. Then add or remove weight to or from the nose or tail until the rear stabilizer is level. Try moving any existing weights such as receiver and battery around first before adding additional weight. If the model is nose heavy, try moving the battery and receiver towards the back of the model before you add weight to the front. **Remember, the fuel tank must be empty.**

An easy way to check the lateral balance (wingtip-to-wingtip) is to rest the model on the tail or tail wheel with the rudder centered. Loop a piece of string under the propeller shaft and lift the model by the string so that the main gear is off the ground. The wingtips should remain level. If not, add some weight to wing that is light (higher). The further towards the wingtip the less weight you will need to add.

I use a Great Planes CG Machine to balance my models. Before I had the CG Machine, I would support my model on top of two full 2-liter bottles of pop. This worked fine on my straight winged trainer. Later on I built a balancing stand using two ¼ steel rods screwed into wooded block bases. I used rubber pencil erasers on the tops of the rods to protect my model.



Hints, Information, Tips and Stuff

Larry Dudkowski



Below are some additional tips.

TIP #1: When finding the CG the fuselage should hang below the balance points. For a high winged model like a trainer, lift and support the model from under the main wing. For a low winged model like an Extra 300 balance the model upside down with the fuselage hanging below the supporting structure.

TIP #2: When building a kit, try to balance the model before you cover it. That way you can hide any additional weight needed inside the structure and under the covering. On an ARF try placing the weights under the cowl or inside the fuselage. Again, I try to hide any additional weights.

TIP #3: I mark the CG point on my models with a small circle of red and white-checkered trim sheet. That way I don't have to re-measure if you need to recheck the CG.



Also don't forget to recheck the CG after any major repair, read crash here, especially if repairs are done to the nose or tail. That's where the CG dot really comes in handy

Well that's it for another month. Can't wait for the &^%\$# snow to stop.

Fly Smart & Fly Safe. Larry Dudkowski



Rethinking The Field Box



When I started flying electric models it became obvious that my field box had lots of stuff that I didn't need, so I set up a small tool box with just the essentials. The downside was that I had to remember to transfer some items back and forth between the two boxes.

I never could find any multiple section field box that had what I wanted – i.e. I didn't need the power panel/12V battery or fuel tank section when flying electric. Hobby King has a box that was close, but shipping from China made it too expensive. After Bruce Haynes and I thought about designing our own box, I took a hard look at the box I've been using for the past 25+ years.

I decided that since I fly electric, glow and gas I didn't need a dedicated fuel tank storage area; when I need fuel I'd bring the appropriate fuel tank(s). Also because I have a battery operated starter motor, I only use the power panel/12V battery for the fuel pump – Bruce suggested I set up the electric fuel pump to use a 3S LiPO battery or switch to a manual pump. Finally, by making these changes I'd have more storage room and could eliminate the small duffle bag I was bringing to the field.

I sanded, stained and resealed the box. It seems to have worked out well. Below are the 'after' photos:



Fly Safe!!

Jeff Gittelman



*PROP MASTERS
R/C AERO CLUB*

3rd ANNUAL "TAILGATER"
OUTDOOR SWAP EVENT

Admission is *FREE!*

www.propmastersrc.org

When: Saturday - August 23rd, 2014 8:00 a.m. until Noon
Seller Setup 7:00 a.m. to 8:00 a.m.

All Seller vehicles must be in location before open to public at 8 a.m.
Seller vehicles will be allowed to leave after 10 a.m. *on the hour.*
NO EXCEPTIONS

Where: Judd Kendal — VFW Post — 3873
908 W. Jackson St.—Parking Lot
Naperville, IL 60540
(please do not contact the hall)

What: Sellers for \$10.00* dollars, you get a parking space for your vehicle and the space adjacent for selling. You can pack your car with as many buddies as you can, *still only \$10 bucks.* But, that won't leave much room for stuff to sell or items you will buy.

You can bring your own table, plywood & saw horses, pop-up canopy or blanket to set up your space anyway you like; as long as you don't go outside your space.
You can sell out of your vehicle too!
Note: No table or chairs are provided.

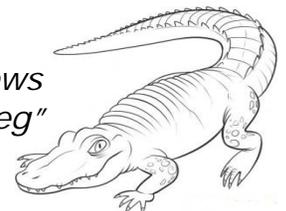
How: Contact Bob Mosinski at
bob.mosinski@gmail.com or 630-698-0185
All spots reserved in alpha/number order.
First come, first served until they are gone!

* **Full refund if event rained out**

Payment Address:
Bob Mosinski
949 Greensboro Ct.
Naperville, IL 60540
Payable : Prop Masters



*Remember when R/C swap shows
didn't cost you an "arm and a leg"
to sell or get in?*



Prop Masters R/C Aero Club Membership Form

Name: _____

Street: _____

City: _____ State: _____ Zip: _____

Du Page Forest Preserve Permit #: _____ AMA #: _____

Email Address: _____

Home Phone #: _____

Work Phone #: _____

Choose Below: Make Check Payable to **Prop Masters R/C Aero Club**

Family Membership (Two or more living at the same residence): \$ 55.00

Senior Membership (Age 22 or Older): \$ 40.00

Junior Membership (Age 1 to 21): \$ 15.00

Initiation Fee: \$ 65.00 (One time only for new members, Junior Membership is exempt)

Total \$ _____

Send To: Bill Hickey

Treasurer – Prop Masters R/C Aero Club

305 White Oak Drive Naperville Illinois 60540

DUES SHOULD BE PAID BY April 1st.

My primary interest is: Pattern: _____ Sport: _____ Electric: _____ Soaring: _____ Giant: _____ Scale: _____ Other: _____

In 20__ I plan to use the following RC frequencies: a: _____ b: _____ c: _____

OFFICE USE ONLY

1. Entered in Prop Masters Member Tracker
2. Entered in Prop Masters Points Tracker
3. Badge ordered = Badge received



Prop Masters Organization & Contact Information

Officers/Board Members:

Position	Name	Email address	Phone #
President	Bob Mosinski	Bob.mosinski@gmail.com	630-698-0185
Vice President	Tom Camp	camptom@wowway.com	630-305-9422
Treasurer	Bill Hickey	Wjh08@wideopenwest.com	630-428-4978
Secretary	Dave Cotton	dcotton@wowway.com	630-637-0354
Safety Officer	Mick Pfeifer	Wing881@yahoo.com	630-717-1041

Elected Board Members:

Dave Engel	Engel@anl.gov	630-305-0457
Hank Bourassa	gohsthb@gmail.com	331-684-8209
Dave Carlson	daverp@gmail.com	630-851-3914
Jeff Gittelman	jgittelman@yahoo.com	630-899-9778

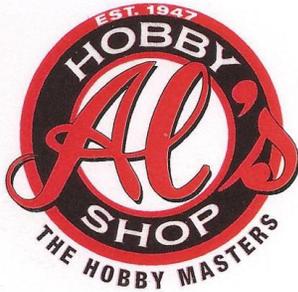
Committee Members:

Fun Fly Committee	
Larry Dudkowski, Director	630-759-8245 dudkowlvd@aol.com
Dave Carlson	daverp@gmail.com
Jeff Gittelman	jgittelman@yahoo.com
Publicity Director	
Harlan Davis	630-420-1076 hdavis@wowway.com
Nominating Committee	
Harlan Davis, Chair	630-420-1076 hdavis@wowway.com
Forest Preserve Relations	
Bob Mosinski	630-698-0185 Bob.mosinski@gmail.com
Tom Camp	630-305-9422 camptom@wowway.com
Dave Carlson	630-851-3914 daverp@gmail.com

Chief Flight Instructor	
Tom Camp <i>see website for a complete list of instructors</i>	630-305-9422 camptom@wowway.com
Fund Raising Committee	
Larry Dudkowski	630-759-8245 dudkowlvd@aol.com
Bob Mosinski	630-698-0185 Bob.mosinski@gmail.com
Harlan Davis	630-420-1076 hdavis@wowway.com
Librarian	
Hank Bourassa	331-684-8209 gohsthb@gmail.com
Webmaster	
Dave Carlson	630-851-3914 daverp@gmail.com
Newsletter Editor	
Ray Luchetti	630-357-4022 rluchetti@att.net

Visit the Prop Masters R/C Club Web Site at <http://www.propmastersrc.org>

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Cindy McFarlane
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Mon & Tues 10-7

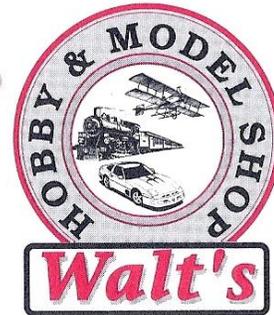
Sat. 10-6:30

Wed-Fri 10-9

Sun. 10:30-5

www.leisurehours.com

**WALT'S
HOBBY SHOP**



JOLIET/CREST HILL
ILLINOIS 60435
815-741-0043

**Next Meeting: Tuesday February 25th. @
7:30 p.m. at the Naperville VFW Hall.**

**Fun Fly – Indoor Fun Fly at the meeting,
Prop Masters 500.**