



# Hawk Talk

THE VOICE OF THE OMAHAWKS R/C INC.

VOL. 63 NO. 3

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ALL CLUB MEMBERS ARE ENCOURAGED TO ATTEND THE BUSINESS MEETINGS

**GENERAL MEETING:** Friday, March 28, 2014 \* 7:00 P.M. \* Make-A-Wish Foundation \* 11926 Arbor St.

**PROGRAM:** XXX

**BUSINESS MEETING:** Wednesday, April 2, 2014 \* 7:00 P.M. \* Make-A-Wish Foundation \* 11926 Arbor St.

## Welcome to Spring

Spring is here! Or at least it is by looking at the calendar. Hopefully the weather will start an upward climb so we can all have some good flying. While it's still a little cold outside it is a perfect time to go through your Aircraft to make sure they are in good shape, check for broken or loose parts that could cause you problems down the road, and remember to cycle your batteries to make sure they are in good shape and will hold a charge. If the batteries are over three to four years old it would be well worth the expense to replace them as \$20 to \$30 is cheaper than \$300 to \$500 if you lose an aircraft because of a faulty battery.

Have a safe and fun year! I hope to see you at the field,  
President, Omahawks RC

Bob,  
Robert J Wheeler

### 2014 Omahawks Demo's and Display Opportunities

All, The Club has a couple opportunities this year present our hobby to the public in 2014. All clubs are always looking for a good way to promote the hobby, increase awareness and add memberships to their ranks.

Three events the club has been asked to join this year are; 1) SAC Museum event May 31st. Static displays and indoor flying will be on the agenda. Please let Ed Paasch or Bob Wheeler know if you are interested. 2) Veterans Appreciation Rally to be held at the North Omaha Airport on June 7th. Static Display and a 1 hour flying segment to show off your skills. 3) Defender of Freedom Airshow at Offit Air force Base on July 19-20th. The club has been asked if they would like to participate in a static display. This will be great opportunity for the club as there will be thousands of visitors to the airbase over the two day period. If you are interested in this event send Bob Wheeler and

email. There will be background checks performed on those who would like to participate. What a great opportunities we have this year as a club to show off what we do, show how much fun it can be and promote growth for the hobby.

Bob,  
Robert J Wheeler  
[rjwheeler01@gmail.com](mailto:rjwheeler01@gmail.com)

### UPCOMING EVENTS:

- ★ Mar 28 - General Meeting
- ★ Apr 2 - Business Meeting
- ★ Apr 23 - Old Timer Fun Fly
- ★ Apr 25 - General Meeting
- ★ May 7 - Business Meeting
- ★ May 7 - Float Fly
- ★ May 14 - Old Timer Fun Fly
- ★ May 17 - SPC Pylon Contest
- ★ Training night every Thursday 6 pm till dark

# HAWK TALK

## THE MINUTES

Erik Krystoff, Secretary

### General Meeting.....2/28/2014

New Members or Guests: N/A

Membership Report: N/A

Newsletter Report: Mike Berger

Hawk Field Update:

- o Field Brush Removal completed – membership feedback
- o Most members happy about cleanup work done
- o Concern about how to deal with large piles left behind mentioned
- o Discussion about possible tree removal mentioned, but no action to be done at this time

General Announcements:

- o Membership News (Ed Splittgerber passing)
- o Any club member willing to take on field chairman role?
- o Winterfest 2014 results:
- o Had 12 pilots registered for event – 9 pilots flew – good turnout
- o Upcoming contest approvals:
- o Omaha Pattern Championship – August 9th and 10th 2014 - \$350 requested for food and supplies
- o Multi Wing Fun Fly – tentative date July 19th 2014 – Time TBD - \$100 requested from Bob W
- o Sport Pilot Championship – Mikey - \$350 requested – dates TBD
- o Training Season coming up soon, we're looking for volunteers
- o Instructors meeting in March (need a list of volunteers and email addresses)
- o Board is discussing membership and how to bring awareness and participation to the hobby. Any thoughts?
- o Omahawks Website Updates – (Mikey)
- o Photo gallery is up and viewable, but submission still not working as of yet. For Sale section is operational, but photo submissions option still not working.

Upcoming Events / Dates:

- o Next Board Meeting – Wednesday March 5th, 2014 @ 7pm at Make a Wish building
- o Instructors Meeting – (Mid March – date to be determined)
- o Next General Meeting – Friday, , 2014 @ 7pm at Make a Wish building

Show & Tell:

- o Scott Mulk – Scratch Build Flying Machine
- o Matt Meyers – HobbyKing Quad Frame
- o Steve Earl – Auction buy – P-51 Plane
- o Fred Wilke – Hanger 9 Beaver ARF – 30cc
- o Steve Peck – UFO Quad Copter
- o Jeff Pintt – FliteTest FT-22 foamy
- o Bernie Baker – Top Flite P-47 kit

Raffle Prize

- o Great Planes Escapade ARF – Rick Haneline is the winner of this ARF
- o Surprise Money Envelope from Winterfest – Carmel Earl won this prize

Program:

- o No Program

Meeting Adjourned

### Business Meeting.....3/5/2014

Board Members in attendance: Bob Wheeler, Bob Zitzlsperger, Kevin Hyde, Dennis Bender, Roland Lyons, Mikey Furrow, Gary Vohnout, Visitors: Dick Behrens, Brad Perkins, Harry Perkins, Ed Paasch

Officer/Chairman/Editor Reports:

- o Treasurer's Report – Kevin Hyde – Looking good for this time of year
- o Membership Count: – Count as of 03/05/14: 80 members, plus 1 more app in Hand
- o Hawk Field:
- o Move Trash pickup to weekly service beginning April 1st – Kevin to take care of
- o Mikey to oversee Field Chairman duties temporarily – oversee field projects and delegate as needed
- o Bob W to work with Jacob Brown about 2014 mowing contract for Hawk Field

Old Business:

- o Field Chairman Position – Empty – Mikey to fill in temporarily until position is filled
- o Brush Removal – City Walk through
- o Dennis Bryers to meet with Board on Friday 3/21 in afternoon to discuss progress and further steps
- o Kevin H suggested about getting some grass to be planted to manage the overgrowth
- o Propose to the city about types of grass to be planted, and also about future plans to manage overgrowth
- o 2014 AMA Club Charter paperwork (Kevin H) – Kevin to submit to AMA
- o 2014 Leadership paperwork (Mikey) – Mikey to submit to AMA

New Business:

- o Make a Wish left an appreciation plaque for Omahawks for service / donations to their cause – Bob W in possession of this plaque at this time.
- o Yearly Meeting with the City: April 2nd 2014 @ 7pm
- o Xmas Party Facility – Need someone to lead effort to confirm a location
- o Dennis Bender to take lead on this effort – looking at Jack and Kelly's restaurant as consideration
- o Contests / Fun Fly Events?
- o EDF fun fly event needs a sponsor for 2014
- o Ed Paasch is looking for someone to head up the raffle prizes / selling for runway fund for him
- o Ed Paasch is starting work on the 2014 Labor Day Airshow process
- o Flight Instructors Meeting – Monday evening at Hobbytown 6:30pm
- o

- o Discussion was had about moving this meeting to a more conducive environment for this meeting. Mikey to see about the Abraham Library for a meeting place
- o Brad Perkins will be managing the Training Program for 2014
- o Brad will be working on inventory management of all training equipment
- o Field Rules – To be reviewed at March General Meeting
- o Yearly Safety Presentation – Dennis Bender to present at March General Meeting
- o Club Marketing / promotions – Brad Perkins mentioned the opportunities of promoting our hobby by participating in local parades, gatherings, and other social events. Brad will coordinate opportunities and let club know for volunteers.

- o Raffle Prizes: (2) \$50 gift cards to HobbyTown – Kevin H to pick up
- o Program: Greg Nelson – Electric flight setup Part II

Upcoming Events:

- o Next General Meeting – Friday, March 28th 2014 @ 7pm at Make a Wish building
- o Flight Instructors Meeting – Tuesday, March 25th 2014 @ 6pm at the Abraham Library on 90th and Fort St
- o Next Board Meeting – Wednesday April 2nd, 2014 @ 7pm at Make a Wish building

Meeting Adjourned.....



# Pictures from Winterfest



"What have I gotten myself into?"



Future anti-aircraft gunner



## HOW TO BUILD LIGHT WEIGHT FLOATS AND ATTACH THEM TO YOUR PLANE

A simple homemade float that works well is patterned after the Chuck Cunningham design that was published in model magazines about 15 to 20 years ago. Many use this design in the Omaha, Nebraska area. A description follows.

Float Material. The floats are made from Styrofoam. Boat dock weight Styrofoam or strong insulation foam is the preferred. The bottom of the float is flat and usually covered with thin plywood or epoxy/fiberglass or painted or a combination of these. A small piece of hardwood is epoxyed to the top of the float (see photos). The writer used a piece of 3/16 by 3/4 spruce on 4 inch wide 40 inch long floats. On 3 inch wide 36 inch long floats, he used 3/16 by 1/2 spruce. This piece is also anchored into the foam with wood dowels (see illustration). This gives necessary strength to the floats. Some use polyurethane to paint the entire float. Having a thin coating of paint or epoxy on the floats protect them from exhaust fuel and makes them easier to cleanup. The flat bottom gets the plane up on step quickly when taking off. Some also install thin plastic splash guards on the front inside of the floats.

Dimensions and Layout. Refer to illustrations. This shows the setup for planes with a tricycle landing gear. For this type, the rear landing gear can be kept in place and the nose wheel mount can be used to attach the front of the floats. For trail draggers, a new rear landing gear needs to be installed. The step is located under (to 1/2 inch aft) the CG, too retain the CG with floats attached, for both

types of landing gear. To steer the plane on water most use a water rudder attached via cable to the nose wheel servo.

The float spread or distance between them is recommended as 25% of the wing span or 50% of the float length. See photo for a way to get this desired spread. The spread helps keep the plane from tipping over in windy conditions. However, some just use the normal wheel landing gear spread. The spread should also be stabilized at the rear landing gear with wire or hardwood, connecting the floats. Some also provide diagonal wire bracing to stabilize forward/backward movement of the floats... The front of the floats should be a few inches ahead of the propeller. The bigger the plane or prop the more distance. For example, with a 10 inch prop on a .32 engine, with 36 inch long floats the writer had distance of 4 inches. With an 11 inch prop on a .46 engine, with 40 inch long floats, there is about 5.5 inches. Using 75-80% of the fuselage length for the float length should achieve the desired distance. The bottom of the prop should be at least 2 inches above the top of the floats.

Positive angle of attack attachment. Chuck Cunningham said, "The most important item in attaching the floats to the aircraft is to make sure that the wing of the model will be located at a positive angle of attack. You want the wing to lift the aircraft out of the water, not glue it down. An easy way to decide how much

to lift the wing is to remember that 1 degree of incidence is equal to 1/16 inch at 3 inches. If your wing has a 12 inch chord, then 1 degree will equal to 1/4 inch." He started using plus 2 degrees. If lift off is still a bit sluggish, then he said to add another degree to the float. Some builders eyeball to attain a small positive angle between the top of the floats and flat bottom wing or center of symmetrical shape wing ribs. The following table can be helpful.

Wing Chord	1 degree	
	<u>2 degree</u>	
9 inch	3/16 inch	3/8
12 inch	1/4 inch	1/2
16 inch	5/16 inch	5/8

Engine. Flying off water usually requires a slightly stronger engine than flying off land. A plane with a 73 inch wing span, like the SIG LT 40 or Telemaster, fly well off water using a .46 two cycle or .52

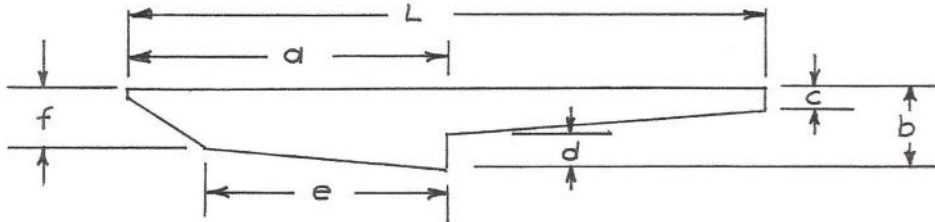
Submitted by Dick Behrens



# HAWK TALK

FLOAT DIMENSIONS IN INCHES(CALCULATIONS FROM CHUCK CUNNINGHAM DESIGN)

FLOAT LENGTH = 75 TO 80 % OF FUSELAGE LENGTH (PROP TO TAIL HINGE)



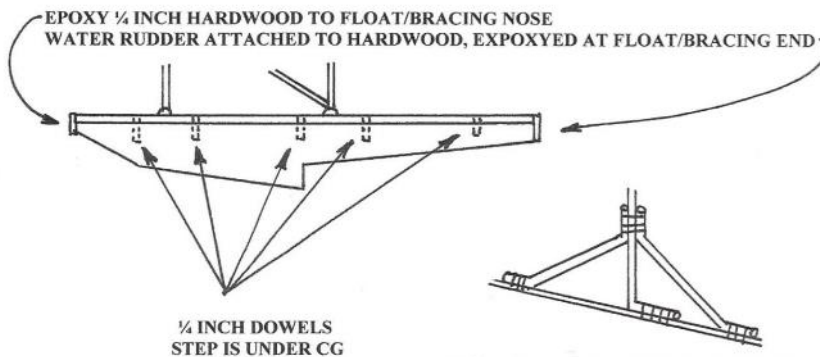
L	34	36	38	40	42	ENGINE SIZE	FLOAT WIDTH
a	17	18	19	20	21	10 - 25	2 in +
b	2.72	2.88	3.04	3.20	3.36	30 - 40	3 in
c	.48	.55	.63	.70	.77	45 - 80	4 in
d	.75	.75	.75	.75	.75	90 - 1.2	5 in
e	12.8	13.5	14.3	15.0	15.8		
f	1.83	1.94	2.04	2.15	2.26		

HARDWOOD BRACING

ON TOP



OR INSERTED



1/4 INCH DOWELS  
STEP IS UNDER CG

NOSE LANDING GEAR REPLACEMENT  
WRAP AND SOLDER JOINTS

(EPOXY DOWELS IN FRONT AND BACK OF WHERE LANDING GEAR FASTENS TO FLOATS)

## WHY WOMEN LIVE LONGER THAN MEN



### 2014 morning events @ Hawkfield/Standing Bear Lake

Date	Time	Event	Coordinator
Apr 23	Wed 900-1130	Old Timers	Dennis
(Wed Old Timers( planes designed prior to 1943)have lunch and next day makeup)			
May 7	Wed 830-1130	Float Fly	Dick
May 14	Wed 900-noon	Old Timers	Dennis
May 24	Sat 900-2pm	Float Fly/Pizza	Dick
Jun 11	Wed 900-noon	Old Timers	Dennis
Jun 18	Wed 830-1130	Float Fly	Dick
Jun 25	Wed 830-1130	Elec Sailplanes	Frank W
July 2	Wed 900-noon	Old Timers	Dennis
July 12	Sat 900-2pm	Float Fly/Pizza	Dick
July 16	Wed 830-1130	Elec Sailplanes	Frank W
Aug 6	Wed 900-noon	Old Timers	Dennis
Aug 20	Wed 830-noon	Elec Sailplanes/lunch	Frank W
Aug 23	Sat 900-2pm	Old Timers/lunch	Dennis
Sept 10	Wed 830-1130	Float Fly	Bob Z
Sept 17	Wed 900-noon	Old Timers	Dennis
Sept 24	Wed 830-1130	Elec Sailplanes	Frank W
Oct 1	Wed 830-1130	Float Fly	Bob Z
Oct 8	Wed 900-noon	Old Timers	Dennis

All sponsored by Omahawks (no pilot fees)

I just became a Tyler Perry fan. He appeared on the Tonight Show and talked about his hobby - R/C flying! Look up "Tyler Perry's Hobby" on Youtube to see him talk about it. He has a turbine powered Concorde that they showed on the Tonight Show. (But, alas, I couldn't find a clip of it on Youtube.)

## *"Hawk Talk"*

Voice of the Omahawks

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# Field Improvements Underway

One of the biggest projects of the year is well under way at Hawk Field. The club paid to have a shredder run through the brush on the east side of the field, reducing a trip through the "Valley of Death" to a pleasant stroll through the park. All of the underbrush from the edge of the field to the old walking path has been reduced to mulch. Now grass seed or some other cover will be seeded in order to keep the weeds at bay. The club is working with the city to remove some of the encroaching trees as well.

This is a huge and costly project that the club has undertaken to improve your experience at the field. It will keep it fun to fly at the field for years to come.

