



Sanderson Field R/C Flyers Newsletter



SPECIAL POINTS OF INTEREST:

- Club Meeting will be on Thursday, March 9th 2017 at 7:00 pm at PUD#3
- Dues are now \$100
- Field Trip to Fab-labs in Tacoma is Friday, March 3rd at 10:00 am
- Indoor flying is at the Olympic Middle School again this month. See calendar for dates and times.

Club Meeting

This month's club meeting will be held on

Thursday, March 9th, 2017 at 7:00pm

PUD #3

2621 E. John's Prairie Rd, Shelton WA 98584

Club Minutes

Call to order by Club President Jody Diaz

A meeting of Sanderson Field R/C Flyers was held at Mason County PUD3 on February 9th, 2017

Jack Mitchell read the Treasurer Report. Treasurer report passed as read.

Jody Diaz informed the membership what was discussed at the Board Meeting.

Jody went over a response letter from State Representative Drew McEwan regarding HB 1049. Club members were urged to write to there representatives. Tom Strom suggested that we contact our local AMA representative as well.

Club discussion about flying drones, and the current rules and regulations.

Members were reminded to have there AMA and FAA numbers visible on there airplanes and drones.

Jody Diaz thanked Paul Fleming and Dick Robb for the kits they donated to the club. Kits will be raffled off and proceeds will go towards club events.

Tom Strom is looking into hosting a scale judges workshop venue. More information will be given at a later date.

Bob Treinen ordered \$462 in parts for the club oven.

I n d o o r F l y i n g f o r t h e m o n t h o f m a r c h

Indoor flying will be at the Olympic Middle School again this month. The Shelton High School gym may be available at the end of March. An email will go out if it happens.

March Indoor Flying Schedule

Friday, March 10th ~ 6:30 to 8:30

Friday, March 17th ~ 6:30 to 8:30

Monday, March 20th ~ 6:30 to 8:30

Monday, March 27th ~ 6:30 to 8:30



Builders Corner By Dick Robb

One of the main questions that is asked by many modelers, usually about half way through the build is, "How will it fly". While there are several ways to answer that question, one of the most used is to determine the wing loading. A model with a wing loading of 8oz/sq.foot is considered to be a model that will be easy to fly and land slowly while an aircraft with a 30oz/sq foot will fly with a heavy feel, require more airspeed to land and be more difficult to fly in general. The biggest problem with these two statements is that they are not always correct.

Two quick examples. Aircraft A has a 36 inch wingspan, a 250 sq.inch wing area and weighs 30 ounces. The wing loading computes to 17.28 oz/sq.foot. This is within the comfortable flying range. Aircraft B has a 80 inch wingspan, 1250 sq. inch wing area and weighs 250 ounces. The wing loading computes to 28.8 oz/sq.foot. This airplane should require more skill to fly. IN FACT, the exact opposite is true! The smaller aircraft will be hard to handle, require more airspeed and quicker reflexes by far than its larger brother. This is true because aircraft wings fly by displacing air volume consistent with measurements of length, width, and thickness that the standard wing loading formula does not take into account.

There is a way to measure an airplane however that will give an indication how the model will fly no matter what the size from indoor rubber models to a full size jumbo jet. This method is called cubic wing loading and will absolutely give a precise yardstick on flyability of any aircraft. The downside when using this method is that it requires a calculator that can do square root equations. In short the formula is this: Divide the models weight in ounces by the wing area in square feet.

Divide the result by the square root of the wing area in square feet.

The answer is the cubic wing loading of the aircraft.

This answer does no good if you do not have a chart that equates to aircraft flying characteristics. The following chart from 1 to 20 covers most fly-

able aircraft and has been compiled by folks far smarter than me. 1 to 4: indoor, ultralights, gliders

4 to 6: most trainers

6 to 9: sport and aerobatic aircraft

9 to 12: contest aerobatic aircraft and most racers

10 to 15: most contest scale aircraft

15 to 20: turbine jets and aircraft for very experienced flyers

20 and over; Good luck with that!

Using the two examples above, Aircraft A computes as follows:

$$\text{wing area} = 250/144 = 1.763 \text{ sq.foot}$$

$$30\text{oz.}/1.763 = 17.0645$$

$$17.0645/\text{square root of } 1.763 (1.32778) = 12.85 \text{ Cubic Wing Loading}$$

Aircraft B computes as follows:

$$\text{wing area} = 1250/144 = 8.681 \text{ sq.foot}$$

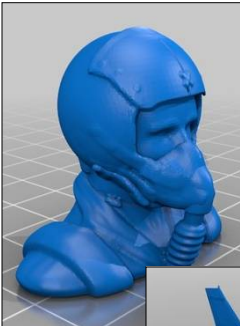
$$250\text{oz.}/8.681 = 28.798$$

$$28.798/\text{square root of } 8.681 (2.946) = 9.44 \text{ Cubic Wing Loading}$$

As can be seen, aircraft B is a comfortable aircraft to fly whereas aircraft A takes more skill. If you raise the weight of both aircraft 25% (40oz. - 312.5 oz. Respectively) the wing loading of A is 23+ oz.sq.ft.(flyable), but the Cubic loading tells the true story. At a cubic loading of 18.5 the aircraft is quite a handful. On the other hand, aircraft B at a cubic loading of only 12.2 should be comfortable to fly.

Next time we will talk about the other side of the coin – Power loading and usable thrust.

Field Trip to Fablabs



Friday March 3rd FabLab will be hosting a two hour 3D Design/Printing Workshop. The first hour we will cover the fundamentals of 3D printing using 123D Design. In the second half of the class participants will have the opportunity to search Thingiverse (warehouse of 3D Models) for various models including plane models and mechanical components. FabLab will demonstrate the process of sending a 3D model to the printer. Each participants model will be 3D printed. Note. 3D printing is a slow process. The prints will be ready to pick March 7th.



Please RSVP via email to Sharon Diaz at sharonelenya@gmail.com. Visit <https://www.fablabtacoma.com/> Fablabs is conveniently located across from the University of Washington Campus.

Address:
1938 Market street Tacoma, WA 98402

Club YouTube Channel

The club has a club YouTube channel <https://www.youtube.com/channel/UCsOZUec-xNAjX4f3EBtAZiw>

Please support the page by clicking "Subscribe",

If you would like to contribute to the YouTube page by posting video's, email sharonelenya@gmail.com and she will get you set up. I think a lot of you guys have vast knowledge and talent to contribute. So don't be shy.

Welcome New Members

Welcome new members Henry Cannon, Daniel Vacanti, Robert Roach, Victor Chatellier, Ty Satterlee and Cameron Diaz to the club. It's been fun seeing new members come out and fly.



McMinnville Aircraft Modelers Swap Meet

March 11,2017

Yamhill County Fairgrounds

2070 NE Lafayette Ave

McMinnville , Or 97128

Vendor Set Up Hours : 3pm to 7pm Friday March 10th

Vendor Set Up : 8am to 9am Saturday March 11th

Swap Meet Hours : 9am to 2pm Saturday March 11th

Wall Tables - \$20 ea 32 available

Floor Tables -\$15 ea 52 available

Number of Wall Tables needed : _____

Number of Floor Tables needed : _____

All Tables are first come first reserved , Limit of 4 tables

Name : _____

Address : _____

City and State : _____

Phone : _____

Email : _____

Date : _____ Amount enclosed : _____

Complete this form and send to :

Jeff Jones

22879 SW Norton Ave

Sherwood , Or 97140

Cell - 503-367-4784

Make checks payable to Jeff Jones , Memo Swap Meet

RV spaces are \$20 Per night

No hook up , showers available at the Fairgrounds

9TH ANNUAL SUPPORT THE TROOPS FLY IN



Pilots Needed!

Clark County Radio Control Society invites everyone to its 9th annual Support the Troops Warbird Fly-In!

For the pilots there will be a \$15 dollar entry fee or \$10 dollars and a large bag of non-melting candy. All of the candy collected will be sent to our troops around the world. All planes flown at this event need to be some type of military plane, and it doesn't matter which era it comes from. There will be a separate raffle for pilots and spectators alike. Cash awards for the pilots will also be awarded. The prizes will be given out at 1:00 P.M. You must be present to win. There will also be lunch for sale at the event, and a great time will be had by all who show up!

**Sunday, June 4th, 2017, 9:00 A.M.-1:00P.M. Pilot meeting at 8:45 A.M.
Clark County Fairgrounds, then follow the signs to the field.**

Dave Agar: kamanhusky@aol.com
(360)-687-1929

John Shirron: jreshirron@centurylink.net
(971) 331-2236



SANDERSON FIELD SCALE QUALIFIER

MAY 12TH-14TH, 2017

SHELTON, WA



Scale Rally, And USSMA Qualifier

Classes:

Pro-Am Sportsman (Fun Scale)
 Pro-Am Pro (Experienced)
 Pro-Am Unlimited (Experienced)
 Advanced
 Expert
 Team

Note: All categories will be judged per NWSAM rules.

ARF aircraft and newcomers welcome!!

No Turbines Due to Burn Ban



Event Schedule:

Friday May 12th

Registration 9:00am

Static Judging 11:00am to 5:00pm

Saturday May 13th

Pilot's Meeting 8:00am, Late Static Judging

Flying from 8:30am to 4pm (Or until last flight)

Sunday May 14th

Flying 8:30am to 2:00pm (Or until last flight), Awards at 2:30pm

Welcome to the 3rd Annual Sanderson Field Scale Masters Qualifier.

The SFRFCF field is located near Shelton, WA and features a roughly 3000'x200' paved runway. This is a beautiful and scenic flying site that offers views of the Olympic mountains and Mt. Rainier. There is plenty of room for your RV, and there will be spectator parking for free all weekend. Food is available to purchase from our on site concessions, and there will be a banquet dinner Saturday night for \$20 per plate.

Directions to field: Take I-5 to HWY 101 North. Follow 101 North through Shelton, and just past the Wallace Kneeland Blvd exit look for the Sanderson Field airport on your left. Turn left onto Sanderson Way, and watch for Model Aircraft Event signs.



Contest Director: Tom Strom Jr.

Phone: (360)791-7729

Email: flyboy23e@aol.com

Hotel Info: Super 8 - (360)426-1654
 Little Creek Hotel, Casino, RV Park - (360)427-7711

Dry camping at the field beginning Friday night.

Camping fee of \$15 per vehicle for the weekend.

No overnight parking on Thursday night.



Landing Fee \$50

Receive a \$10 Discount If you join or are already a member of Northwest Scale Aero-Modelers!



Event Hosted By:

Sanderson Field RC Fliers

<http://sfrfc.quintex.com/>

Northwest Scale Aero-Modelers

<http://www.nwsam.org/>

We apologize for the higher priced entry fee and camping fees. This goes to help us with the higher overhead of reserving the field for the weekend event.



SANDERSON FIELD R/C FLYER'S WINTER BUILD CHALLENGE

Welcome to the SFRCF Winter Build Challenge. The idea of the challenge is to encourage people to build model aircraft. You will not be judged on your building skills. That is not what the challenge is about. The point of this challenge is to encourage people to build, and to create a platform to help each other out with tips and techniques.

We will have a Maiden Flight Fly-In on June 10th at the Sanderson Field R/C Flyers paved runway. The aircraft must take off, make at least one lap and land. If you are not comfortable flying your plane, you can have someone else fly it for you. At that time successful entrants names will be placed in a hat. A name will be drawn to win a kit, and a \$50 gift card to Kay Jewelers (more prizes have been added, and will continue to grow). Special thanks to Remote Control Hobbies and Bruce Tharpe Enterprises for the donations.

Here are the build challenge rules!

1. Must be a new build from a balsa kit. No repairs jobs of previously flown aircraft.
2. Must post at least one pic of the build here <https://www.facebook.com/events/543767849158086/> or in the Google Group <https://groups.google.com/forum/#!forum/sfrcf-winter-build-challenge>, and must be a current picture.
3. No ARF's or Foamies.
4. Previously started kits ok, but must be less than 50% completed/not covered when picture is posted.
5. Can be any size or type of kit (lock/tab, die cut, scratch built)
6. Can be glow, gas or electric
7. Open to any AMA club member!
8. Must be completed prior to AND flown at maiden party
9. All progress photos will be shared with the Sanderson Field R/C Flyers Facebook Group <https://www.facebook.com/groups/1763589947213837>
10. The Maiden Flight Fly-In will be for airplanes built for the challenge.

Contact Jody Diaz at flyingracer@comcast.net
if you have any questions.

Visit us at sfrcf.quintex.com "Like" us on Facebook

The Winter Build Challenge

Maiden Flight Fly-In

June 10, 2017 at 9:00 am

Skywardhobbies.com



4th Annual Big Bird Fly In July 14-16, 2017

Raffles!



1354 Pleasant Valley Road, Chehalis, WA



COME HAVE FUN!

Entry Fee: \$10/day

Saturday lunch provided by
Lewis County Radio Controllers

Free Dry Camping



Brought to you by

Skyward Hobbies

And The Lewis County Radio Controllers

Contact Tina or Jeff Christenson for further information

360-978-4636

sales@skywardhobbies.com



MARCH 2017

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1 Port Runway Closed	2	3 Fab Labs 3D Printing and CAD Workshop 10:00am	4
5	6 Club Breakfast Little Creek Casino 9:00	7	8 Port Runway Closed	9 Club Meeting PUD #3 7:00 pm	10 Indoor Flying at Olympic Middle School 6:30 to 8:30	11
12	13	14	15	16	17 Indoor Flying at Olympic Middle School 6:30 to 8:30	18
19	20 Indoor Flying at Olympic Middle School 6:30 to 8:30	21	22 Port Runway Closed	23	24	25
26	27 Indoor Flying at Olympic Middle School 6:30 to 8:30	28	29	30	31	

April 2017

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3 Club Breakfast Little Creek Casino 9:00	4	5	6	7	8 Port Runway Closed
9 Port Runway Closed	10	11	12	13 Club Meeting PUD #3 7:00 pm	14	15 Port Runway Closed
16	17	18	19	20	21	22 Club Fun Fly (more info next month)
23	24	25	26	27	28	29 Port Runway Closed
30						



Club Officers

President.....Jody Diaz(360) 490-2461
 Vice PresidentBob Treinen(360) 532-9219
 Treasurer.....Jack Mitchell(360) 462-0232
 SecretarySharon Diaz.....(360) 490-0191
 Safety OfficerTom Strom Jr.(360) 350-0181

Dues are \$75 if paid before Jan 1st, \$100 Thereafter.

If you pay by mail send your dues, proof of 2017 AMA membership and a self addressed stamped envelope to the

**Treasurer: Jack Mitchell
 P.O. Box 1393 Shelton WA
 98584**

Make checks payable to SFRCF

Board Members

Board Member.....Jody Diaz.....(360) 490-2461
 Board Member.....Bob Treinen.....(360) 532-9219
 Board Member.....Jack Mithchell.....(360) 462-0232
 Board Member.....Sharon Diaz.(360) 490-0191
 Board Member.....Tom Strom Jr.....(360)350-0181
 Alt Board MemberDick Robb(360) 427-4521
 Alt Board MemberChuck Kentfield(360) 866-9473

Club Scheduled Events for 2017

March 3rd ~ Fab Labs 3D Printing workshop

March 9th ~ Club Meeting at the PUD#3, Shelton WA at 7:00 pm

May 12th, 13th and 14th ~ Sanderson Field Scale Rally

June 10th ~ SFRCF Winter Build Challenge Maiden Flight Party

July 8th ~ Sanderson Field Flyers (Hunter Farms field) Dawn Patrol and Golden Age

August 5th & 6th NWRC's Throwdown In The Sound (at Sanderson Field)

Close runway dates

5/4, 5/5, 5/6, 5/7, 5/20, 5/21, 5/25, 5/26,
 5/27, 5/28

