



SANDERSON FIELD R.C. NEWS



CHARTER NO. 3079

March 15 - indoor flying

CLUB MEETING

*This months club meeting will be held
on Thursday March 14th. at*

PUD #3

**2621 E John's Prairie Rd
Shelton, WA**

Treasurers report was given by Dave Windom, Dave noted that we will be loosing money without more fund raising.

Bob Beatty shared the new interim rule, the biggest change is the your FAA number must be on the outside of your airplane now. No exceptions. Dave noted that the mood in Washington about regulations is ugly and reason and logic mean nothing.

A group went to the PBY museum in Oak Harbor, consensus was it would be OK to visit if you are there but not worth a special trip. The same group went to Paul Allen's museum, the Boeing restoration museum and the Flying heritage museum. Well worth a

special trip.

Field repair, the morning side is getting especially bad. Dave will check with the port about getting other groups to help but we have a mandatory runway repair date April 28th

There is a swap meet in Wenatchee on April 6th and 7th.

Winter build challenge web site is up (not facebook) For some reason the link below doesn't work although if you type it in it does... strange.

<http://www.winterbuildchallenge.com>

Events Planned:

April 14th - we will try to have a Hunter Field season opener if it has dried out enough.

June 1st - Winter build challenge at Sanderson field.

June 2nd - Jets and ducted fans + regular flying at Sanderson field.

July 4th - Club fly in at Sanderson.

July 6th - Dawn Patrol and golden age - at Hunters field

July 19th - Scale practice in preparation for the scale rally at faro field.

July 20th and 21st - 2 days of fun fly. bring it and fly it.

August 10 - Hunter farms fly in.

September 2nd - Labor day fly in at Sanderson Field.

By law changes votes were counted and it was a tie again 7 votes for B, 7 votes for C, 5 votes for D and 1 for A.

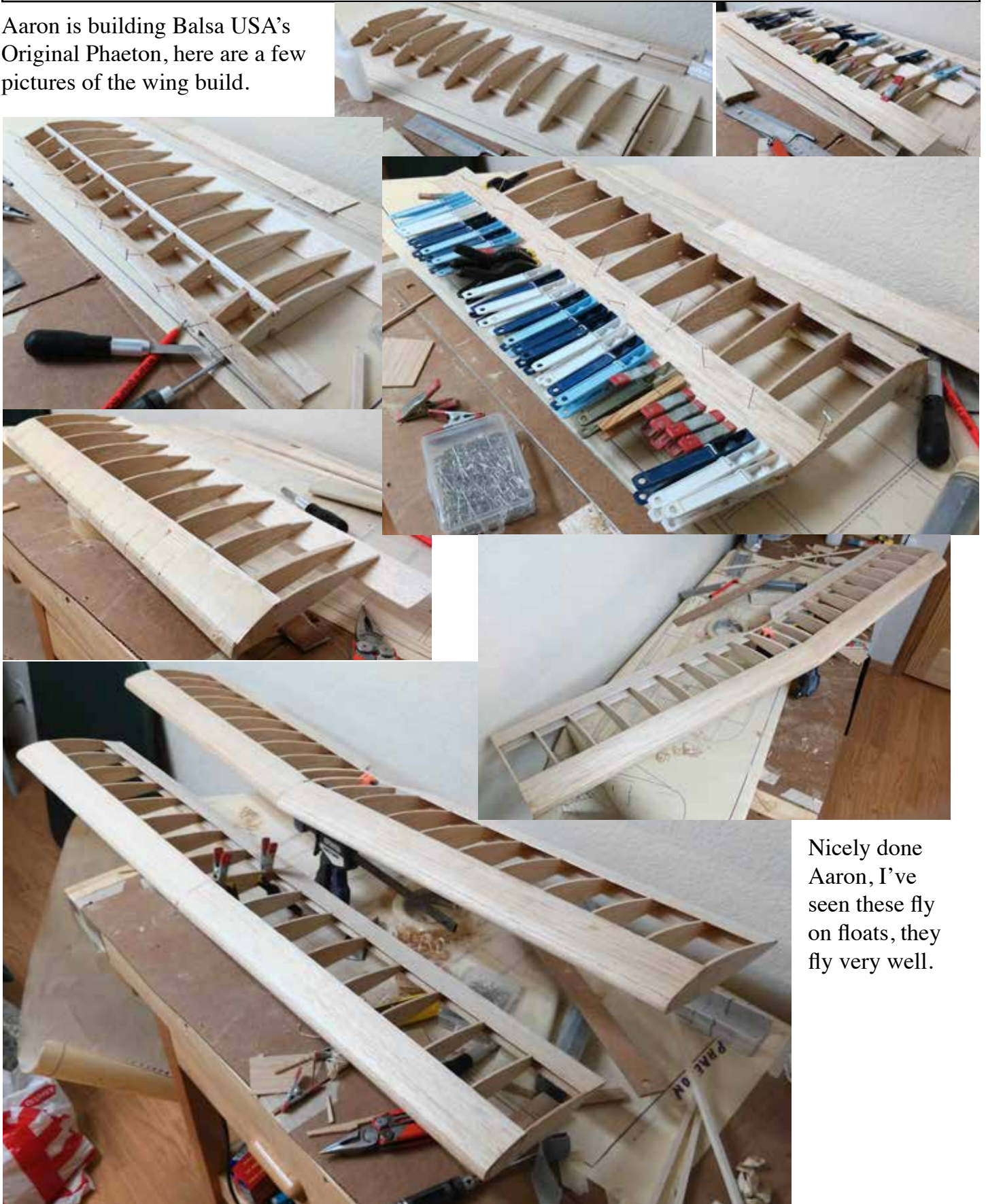
Dave showed his Jet Hanger Hobbies F-86 which he has done complete redo and is repainting and detailing.

Meeting adjourned 7: 40

The last indoor fly of the winter will be March 15th. 6:30 at the Transit center.

AARON CLEVELAND'S WINTER BUILD

Aaron is building Balsa USA's Original Phaeton, here are a few pictures of the wing build.



Nicely done Aaron, I've seen these fly on floats, they fly very well.

COUNTER ROTATING PROPS PROJECT PART 1

March 13, 2018
by Paul Fleming

In 2016 Jim Lake and myself were discussing the possibilities of building a Douglas XTB2D Sky Pirate as a plane to enter in scale competition. As far as we



can tell the last time someone entered one was in 1960. The plane was a torpedo bomber that was designed late in WW II and only two prototypes were built before the project was cancelled.

Three things make this a desirable plane to model. Tricycle landing gear, light wing loading and counter rotating propellers.

We want to build this plane with a 96" wingspan and a weight of no more than 28 pounds. I have the old Model Airplane News published plans and can convert them to modern materials and corrected for laser cutting.

We decided the airframe would be the easy part. We know we can build the landing gear, but the power train was going to be the tough nut to crack.

We looked around on line to see what was available. There are some units available but the

cost was prohibitive and there was no guarantee it could meet our specification. The only thing left was to build our own.

Jim undertook to build the gearbox. Over the next few months a gearbox came together.



We decided to use an AXI 5345/16 for power. Ok now we need to test this monster. Earlier we had built a test stand to test motor and propeller combina-



tions. We conducted many tests at progressively higher power settings. The first time we ran it, it started rolling down the driveway.

We experienced a few problems had some bearing failures, loose gears that type of thing. We even had the propellers come in contact once.

Eventually Jim got it all worked out. Here is a link to a Youtube video of one of our last test runs. https://youtu.be/Ypbw_v1RM0g After another teardown and finding no internal problems we decided it was time for flight testing.

We ordered a Telemaster as a flight platform. When the ARF arrived we determined it was too lightly built to function as a test bed. So we beefed up the forward fuselage with 1/8" lightply installed carbon fiber rods in each longitudinal stringers in the aft fuselage. For CG purposes due to the weight and size of the gearbox motor combination we moved the firewall back 4 1/2", moved the main gear aft and installed a nose gear.

To change the angle of attack on

COUNTER ROTATING PROPS PROJECT PART I

the fuselage we ordered a new wider, taller and stronger aluminum main gear from TNT Landing Gear. The aircraft is now ready for flight test.

January 18, 2019

Flight Testing started in March of 2018. <https://youtu.be/Fx-ca2UeuDNk>

The "Telemonster" as it became known to us turned out to be less than an ideal test airplane. I suppose most of the problems encountered were the result of the changes we made to the airframe, but it was a real pain in the butt to fly.

The cool looking tricycle gear was the first thing to go. The darn thing kept tip over if turned to tightly. Then we had a difficult time controlling the direction of take off until the tail came off the ground. We doubled the size of the rudder and that helped some. We even tried a gyro on the rudder, nothing was ever really successful. Till the end it remained a difficult airplane to take off.

During the flight testing we experienced several failures of the number two propeller. Each time the aircraft maintained level flight and landed safely. The only indication of trouble was the propeller sound changed dramatically. In the construction of the gearbox Jim used an adhesive to bond the final drive gear to the shaft. The Lock Tight bonding agent built for that purpose was not up to the job. Both the gear and shaft were re-machined to accept a woodruff key. To be continued...



DUES ARE \$75 IF PAID BEFORE JAN 1ST, \$100 THEREAFTER.

IF YOU PAY BY MAIL SEND YOUR DUES, PROOF OF 2019 AMA MEMBERSHIP AND A SELF ADDRESSED STAMPED ENVELOPE TO THE TREASURER:

**MARK PENTONY
180 E VUECREST DR.
Shelton WA 98584**

Make checks payable to SFRCF

CLUB OFFICERS

President.....	Dave Windom	(406)283-1916
Vice President	Jody Diaz.....	(360)427-6102
Treasurer	Mark Pentony	(360)898-5951
Secretary	Bob Beatty	(360)229-3408
Safety Officer	Todd Pepin.....	(352)232-4283

BOARD MEMBERS

Board Member	Dave Windom	(406)283-1916
Board Member	Jody Diaz.....	(360)427-6102
Board Member	Bob Beatty	(360)229-3408
Board Member	Mark Pentony	(360)898-5951
Board Member	Todd Pepin.....	(352)232-4283
Alt Board Member	Dick Robb.....	(360)427-4521
Alt Board Member	Jeff Sterba	(360)490-5800

March 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
24	25	26	27	28	1	2
				1:00 PM Training		
3	4	5	6	7	8	9
	9:00 AM RC Breakfast	SFRFC Board meeting		1:00 PM Training		
10	11	12	13	14	15	16
				SFRFC Club meeting 1:00 PM Training	6:30 PM Indoor flying	
17	18	19	20	21	22	23
				1:00 PM Training 7:00 PM Float club meeting		
24	25	26	27	28	29	30
				1:00 PM Training		
31	1	2	3	4	5	6
Non profit filing for RC Club	9:00 AM RC Breakfast	SFRFC Board meeting		1:00 PM Training		9:00 AM Wenatchee Swap meet

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Training nights are ALWAYS weather permitting, check the weather at the field before leaving
 Sold days can change, check out the website before heading to the field.

<http://sfrfc.quintex.com/event/events.html>

Club Scheduled Events for 2019

Event dates in black are scheduled. Events in gray are complete.

The new contract allows us to schedule non-exclusive days again, however if the car clubs don't go to the new track we may not keep many.

- January 1st 9:00 am First fly of the year - Sanderson field - Locks will be changed!
- February 22nd indoor flying - 6:30 - 8:30 Transit center
- March 15th indoor flying - 6:30 - 8:30 Transit center
- April 28th Runway repair - Sanderson Field
- June 1st Winter build Challenge - Sanderson Field
- June 2nd Jets and Ducted fans + general flying - Sanderson Field
- July 4th Club fly-in - Sanderson field
- July 6th Dawn Patrol and Golden age fly-in - Hunters
- July 19th Scale practice, Judging and flight - Sanderson Field
- July 20 and 21st Fun fly - Sanderson field
- August 10 Club fly-in - Hunters
- September 2nd Labor day fly-in - Sanderson Field
- Nov ??th Joint Swap meet - Olympic Flight Museum 9-3
- December 12th Christmas Party @ ?????? from 6 to 10

dues \$75 before January 1st and \$100 on or after

Check out our web site at <http://sfrfc.quintex.com>