



Sanderson Field R/C News



THE OFFICIAL NEWSLETTER OF THE
SANDERSON FIELD R/C FLYERS, SHELTON, WA
CHARTER NO. 3079



Above: It's a Nanching kind of thing. (Photo courtesy of Club Historian, Royce Tivel)



Sanderson Field R/C News



SPECIAL POINTS OF INTEREST:

- The club meeting will be Thursday, April 12th at 7:00 pm. Location: PUD3 Bldg.
- Upcoming Events (page 3)
- Hunter Farms Flying Field Update (page 3)
- Telemaster X Test airplane for a counter rotating propeller gearbox. By Paul Fleming (page 4)
- Builders Corner By Dick Robb (page 5)
- SFRCF Winter Build Challenge List of Participants (page 6)
- 2018 Membership dues are now \$100. Please send membership dues to **SFRCF C/O Mark Pentony, 180 Vuccrest Dr. Union Wa 98592**
- WIN FREE RAFFLE TICKETS FOR AT THE CLUB MEETING.

The April Club Meeting is

Thursday, April 12th, 2018 at 7:00pm

Location: PUD3 Bldg

2621 E. Johns Prairie Rd.
Shelton, WA, 98584

MARCH CLUB MEETING MINUTES

Sanderson Field RC Flyers

Club Meeting Minutes

Thursday, March 8th 2018

Treasurer Report: Paid Port of Shelton monthly lease payment.

Northwest Scale Aero-Modeller's will provide a Judges Clinic for SFRCF club members to attend.

Safety: Keep an eye out for real airplanes.

Bill Judge: Lithium is first column in periodic table. Volatile to water.

CO2 extinguisher for fire. Recommend to have one in your flight equipment.. Tom will have a resource to purchase CO2 extinguisher

Dave suggested to charge in a ceramic pot, ammo can, charging sleeve,

Tom: Do not leave unattended, and at 1C.

Old Business:

Jody gave an update on WBC. Skyward Hobbies donated a radio. Custom Carolina Cutters and Remote Control Hobbies is sponsoring the Winter Build Challenge as well.

Dave Windom suggested to donate kits to WBC, and miscellaneous stuff for the Fun Fly and Fly In in on June 3rd.

The Port of Shelton does not have anything scheduled on July 4th. Tentative club fly in is scheduled for July 4th. We can use Hunter Farms as a back up.

Dick reminded members of the McMinnville Swap Meet

Paul updated on the judging clinic. Anyone wish to carpool the Wenatchee for the judges clinic can contact Paul Fleming

New Business:

Dave is going to request that the Port runway gets chip sealed. Spikes from Oysterfest is impacting the pavement due to water damage from the spike holes.

Dick Robb motioned for the club to purchase paint up to \$200 to paint stripes on both sides of the Port runway.

Looking for another home for the lawn mower

Tom requested that we get a banner for up to \$60 a 3X6

Tom Strom is going to research the cost and material to updating the Port SFRCF information sign

Jody suggested that we rotate the sign 90 degrees.

Tom is looking into installing 4X4 clips

Dave will ask to Port if we can relocate the sign closer to the gate.

Jack will research getting a plywood door.

Mark Pentony announced that previous member George Davidson donated a couple of kits. All proceeds go to the club scholarship fund.

Mark asked members if they wanted to sell raffle tickets to non members. Bob Beatty made the motion, Dick seconded the motion. Motion passed.

Field Search: Bob Treinen gave an update on his research in finding a new flying field. He has some leads, and will keep the club updated.

Monthly Program: Dave Windom did an eCalc presentation. It was very informative and interesting.

Meeting was adjourned at 8:17 pm

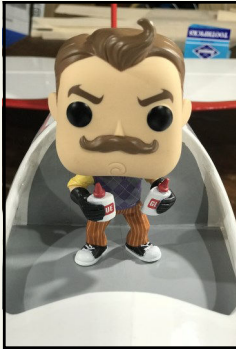
UPCOMING EVENTS

The Rogue Eagles RC Club in Medford Oregon is having their Winter Build Challenge on April 14th. Jody Diaz reserved an Airbnb 8 miles from the flying field. It's a house with an attached apartment. There are two kitchens, two living rooms and three bedrooms. RV parking is available at the Airbnb and at the flying field. We currently have 1 bedroom available, there is still time to join us. Contact Sharon Diaz at sha-



Jody Diaz's Rogue Eagles WBC modified Slow Poke

ronelenya@gmail.com. The event is a combined Winter Build Challenge and Fun Fly event.



The Portland Sky Knights is having their Winter Build Challenge and Spring picnic on April 22nd. Visit sky-knights.org for more information.

The NWSAM Spring Pro AM Scale Opener is 4/21 thru 4/23. Event

Schedule: Saturday April 21st 8am Static Judging Pilot's Meeting 8:30am First Flight 9:00am Sunday April 22nd Pilot's Meeting 8:30am First Flight 9:00am Trophy



Presentation Following Final Round Note: Aircraft engine noise must be at or below 95 dB at 10ft

This is a strictly Pro Am contest to help promote growth in our hobby and give you a chance to fly and tune up before the main contest season!! Directions to field: Red Apple Flyers field is located 2.3 miles east of the entrance to Pangborn Field. Take Grant RD east from East Wenatchee, stay on the main road past

Pangborn Field, you will go through a 90 degree right turn and a 90 degree left turn. Now you are on Fourth ST headed east. The Flyers Field entrance is on the left 2.3 miles from the Pangborn Field entrance.

Mount Rainier Radio Control Society is having their annual Training Day and Open House on April



28th. Learn how to fly with the club's best pilots. The club will provide the equipment. The event is free, just bring your passion to learn and love for model aviation. Visit mrrcs.org for more information.

HUNTER FARMS FLYING FIELD UPDATE

The gate lock at Hunter Farms has been replaced. Thank you Jody Diaz.

We are needing volunteers to mow the grass field. We have 4 volunteers so far. The field needs 2 weeks of dry weather before we can

mow. Mowing has traditionally happened on Wednesdays or Thursdays, but we are flexible. Email Sharon Diaz at sharonelenya@gmail.com if you would like to volunteer.



TELEMASTER X TEST AIRPLANE FOR A COUNTER ROTATING PROPELLER GEARBOX BY PAUL FLEMING

In 2016 Jim Lake and myself were discussing the possibilities of building a Douglas XTBD 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.

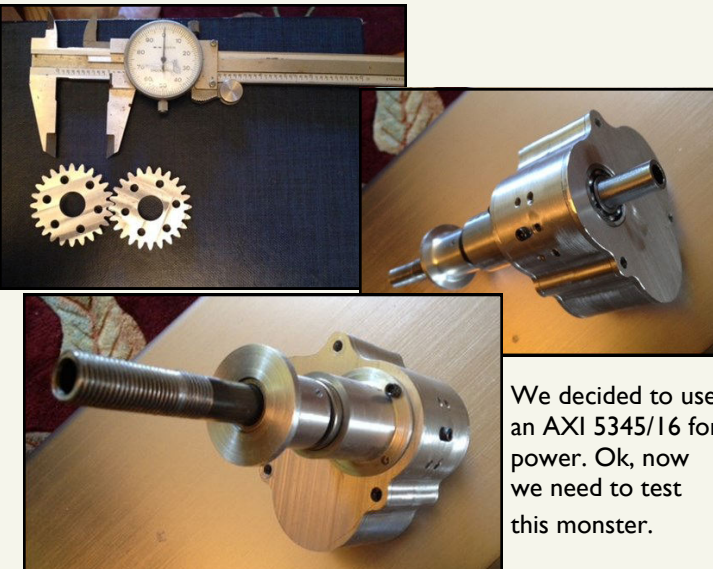


We want to build this plane with a 96" wingspan and a weight of no more than 28 pounds. I have the old Model Airplane News published plans and can convert them to modern materials and corrected for laser cutting.

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.

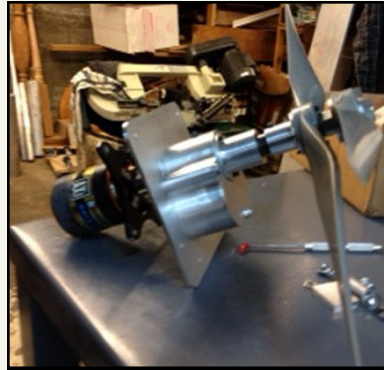
We looked around on line to see what was available. There are some units available but the cost was prohibitive and there was no guarantee it could meet our specification. The only thing left was to build our own.

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 combinations. 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_vlRM0g 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 moved the firewall back 4 1/2", moved the main gear aft and installed a nose gear.



To change the angle of attack on 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.



Flight Testing will be the next installment on this article.

BUILDERS CORNER BY DICK ROBB

By this time you should be ready to start finishing your model. I am not going to cover all the materials and their many uses in the finishing process. Rather, I intend to perhaps help in some areas that can be troublesome when finishing.

Here comes the biggest secret when covering models, be it with plastic, fabric, or fiberglass – HEAT. While the proper adjustment of the tools to put on covering is important, if you want a lasting covering job with no bubbles or wrinkles you need to drive out the moisture in the wood. To this end I use a Monokote heat gun and heat the entire surface of the model, raising the temperature of the wood high enough that it is uncomfortable to the touch. Be sure to protect and plastic, foam, or glass parts when you do this so they are not damaged. Many folks apply Balsarite after the heat application but I have had mixed success with this material and usually don't use this material.

Let's talk about iron-on plastic covering. Many have a favorite material – mine is UltraCote. This material has a low temperature bonding capability and this is what we want to use to our advantage. The picture is of a wing panel on my new Skyraider that will be used for racing. The ARF model comes covered in a single color, in this case orange. The white and black have been cut from standard UltraCote and ironed on over the base Oracover material. The base material could just as easily have been MonoKote, TowerKote, or a dozen other coverings including fabrics. In all cases the trim can be ironed on without distortion or bubbles and sticks well. I can't do this with MonoKote

without bubbles but with UltraCote it is a piece of cake. Give it a try.

Let's talk about fabric covering. There are several selections out there and require different application techniques. The materials all come with instructions that if followed will turn out a good job. My choice is Solartex. Made by the same company that makes UltraCote, it also has a bonding agent that reacts to a wide temperature range. I find that this covering requires three separate shrinking sessions after which it holds its shape very well. Also, all these coverings can benefit from additional help at the edge and seam overlaps. The best material I have found for this job is Stickit sold by Sig Models. This material when brushed on the edge and the covering ironed in place when dry will eliminate any lifting. Also, when applied at the overlap of the seam Stickit will bond both pieces of covering permanently.

Most fabrics require some form of top coat. They also need to be sanded in order to reduce the amount of weight from the paint. Instead of sandpaper which can damage any sharp edges, try 0000 grade steel wool. It works very well.



**SANDERSON FIELD R/C FLYER
WINTER BUILD CHALLENGE
LIST OF PARTICIPANTS**

Jody Diaz is Building a Bruce Tharpe Engineering Venture 60

Mark Pentony: Proctor 1/4 scale Fokker D7. Started April 2017. Laser 300 V Twin for power.

Bill Judge: Sig Four Star

Royce Tivel: Flight Test Polaris. And it's looking really good!!

Dick Robb: Flying Boat built from blown up plans. As written about in Builders Corner.

Dave Windom: "My daughter bought a Skyhawk 172 for me as a project we can convert to RC. I'm thinking a park 450 motor.(36 inch span)"

Mike Jones: A Dragon Rapide built from plans. "Challenging work ahead. 1/6 scale, 96 inch wingspan. Powered by two E-flite Power 60 electric motors."

Thom Martin "In honor of a local customer, club member, and nice guy, I will be building a MK Kit of the Hiperbipe. Mark Sorrell was actually flying this plane when they took this picture over Mt Rainier. Mark, along with two brothers and his Dad were the creators of this really cool homebuilt aircraft from the 70's. They worked out of a shop at an airstrip in Tenino and built kits for homebuilders. They are actually working on building one of their own kits right now. I figured this would be a very interesting build. Best guess is that this kit is from the late 70's. Pretty Cool! Time to get to work!!!"

Pete Havens: Congratulations to Pete for being the first to complete his WBC project. His Sig Astro is gorgeous.

Dennis Richards: Pete 'n Poke Modeled loosely on the 1920s-era, Model "A" Ford engine-powered Pietenpol Air Camper homebuilt and the popular Great Planes Slow Poke, the Pete 'n Poke kit offers smooth, slow flight with the potential to perform all basic aerobatics. Its versatility is matched by vintage aircraft looks - including easy-to-install cabane struts - for a distinctive "Sunday" model that's a treat to fly ANY day of the week.

John Shirron: Direct Connection R/C F-20 Tigershark

Dave Agar: "Last year I was lucky enough to visit the Pima County Air Museum in Tucson AZ. In the main building at the museum, I found this F-4. It was beautiful and appeared to have just come out of the paint shop. As I said, I was going to build a different model for the build contest but there just is not enough time to build what I want. My buddy John Shirron decided I needed to finish off a Great Planes F-4 for the build challenge. I had started it a number of years ago and it has been laying around gathering dust, having been shelved for a reason that I cannot remember. I got it all out and even found a kit review in Model Airplane news dated April 1999. My build for the SkyKnights is almost complete and I can get busy on this plane. More to follow as it progresses....."

Dale Robinson: My winter build is a Super Kaos Jr. Twin. Built from RCM plans and of course I am making it into a twin

Alan Piercy: "My winter build Goldberg Skylane is starting to look like a plane. There is sure a lot of sanding on this one."

Ed Baillif: Bridi 40 Dirty Birdy 40. Started this week on this vintage kit. Some parts missing so am having to custom make things as I need them. Double taper wing. Had to cut all the wing ribs. Going great fthough.

**SANDERSON FIELD R/C FLYERS WINTER
BUILD CHALLENGE
LIST OF PARTICIPANTS (CONTINUED)**

Clark Hymas "I'm doing it "Old School" this year. I found some plans to a Sr. Falcon and scaled it up to 100" wing span gas 35 cc. I will post some build pictures shortly. Also working on another PNW build with a few changes to incorporate tuned pipes."

Pete Thomas: "I chose to build a Proctor Enterprises Nieuport 11 for the Winter Build Challenge. I was inspired by Thom Martin's Nieuport that he debuted at last summers flyin. The build is coming along on schedule so far."

James Driver: Bruce Tharpe Venture 60 and a Slow Poke

Mark Gurney 1/6 Cessna pawnee

John Carle: Gossamer Condor.

Dan Reed: Completed a Radical RC Stick 400.

Barry Greene: "Top Flite Contender gold edition kit. Not a hard kit to build but gave me something to do for a couple weeks."

Scott Zumwalt Falcon Trainer

Todd Long: "Here is a Goldberg Eaglet 50 I started 2 weeks ago. It has the Model Aviation Screamin" Eaglet mod from 1984 and the Eaglet Bipe mod from 1987." His second WBC entry is a Great Plane F-15. "Getting back to my Great Planes F-15 kit. While the wing is about 95% stock the fuselage is only 10%. Really enjoying all the engi-NERD-ing involved in this. " And last but not least... Holy Smoke with a Jett 56. Can we say TRIFECTA!!!

Gene LaFond: Of the Lewis County RCers entered two WBC projects. One is an Old Timer Series Powerhouse, and the other is a glider. Both are complete. Great job Gene.

Bob Beatty: Top Flite gold edition P-47

Tom Strom: Converting Goldberg Cub to Super Cub.

Ryan Winslow "Picked up this Midwest Citabria kit at the NW Model Expo. There was no construction manual but the plans have enough info to build it."

Jack Samson: Jack is entering a Mountain Models MercurE mini It's a very easy-building laser-cut kit and not much of a challenge, but it should be fun and it was cheap. He is confident that I can easily finish it in time.

Gary Ritchie: "I'm building an old Ultra Sport 60 - vintage about 1991 kit and converting it to electric power.

Dennis Young: He is building a Proctor Mini Antic, and it's coming along beautifully.

I apologize in advance if I have missed anyone. Please email sharonelenya@gmail.com with any additions or revisions.

Club Meeting Raffle



SPECIFICATIONS:

Wing span: 2050 mm / 80.7 in

Fuselage length: 1476 mm / 58 in

Flying weight: 4540 g / 10 lbs

Wing-area : 976.5 sq in / 63.4 sq.dm

Engine Required: 2c 0.52x2pcs

Radio Required: 6-channel, 9 Servos

Tickets are \$5.00

Raffle Drawing Date: TBD

NORTHWEST CLUB-SPONSORED BUILD CHALLENGES FOR 2018

About four years ago, Gregg Marshall of the Portland Skyknights came up with the concept for a Winter Build Challenge. The idea was to rekindle the slowly fading art of balsa model building and to help support local hobby shops. Unlike “one-design” events, Gregg’s WBC allows builders to construct an airplane of their choice, culminating in a Spring-time extravaganza where all the new ships make their maiden flights on one day. The event proved successful and has now spread to several of the larger clubs in the area. Each group has tweaked the rules slightly to suit their members, but the concept is basically intact throughout. Thanks to the WBC, traditional model building is alive and well in the Northwest!

Club: Portland Sky Knights - Boring, OR

Event: Winter Build Challenge

Maiden Flight Party Date: April 22, 2018

Rules/Info: <https://www.facebook.com/groups/152882401446902/>

Contact: Gregg Marshall 503-789-5488 gmarshall@corbantechologies.com



Club: Sanderson Field RC Flyers - Shelton, WA

Event: Winter Build Challenge

Maiden Flight Party Date: June 2, 2018

Rules/Info: <https://www.facebook.com/events/117462415605148/>

Contact: Jody Diaz flyingracer@comcast.net



Club: Rogue Eagles RC Club - Medford, OR

Event: Winter Build Challenge

Maiden Flight Party Date: April 14, 2018

Rules/Info: <https://www.facebook.com/groups/rogueeaglesrcclub/>

List of Declared Projects: <http://www.regaleagles.org/WinterBuildChallenge/WBC2018-Projects.htm>

Contact: Bruce Tharpe 541-582-1708 bruce@btemodels.com



Club: Kitsap ARCS - Port Orchard, WA

Event: Build Challenge '18

Maiden Flight Party Date: June 9, 2018

Rules/Info: http://www.kitsaparcs.org/build_challenge.html

Contact: Chuck McQuire president@kitsaparcs.org



Club: Eugene RC Aeronauts - Eugene, OR

Event: Winter Build Challenge

Maiden Flight Party Date: May 19, 2018

Rules/Info: http://www.eugenerc.org/NL/ERCA_NL_Sep17.pdf

Contact: Jeff Lutz 541-954-8955 jefflutz@q.com





Club Officers

President.....Dave Windom.....(406) 283-1916
 Vice PresidentBob Treinen(360 532-9219
 SecretarySharon Diaz.....(360) 490-0191
 TreasurerMark Pentony(360) 490-4742
 Safety OfficerTom Strom Jr.(360) 350-0181

Board Members

Board Member.....Dave Windom (406) 283-1916
 Board Member.....Bob Treinen.....(360) 532-9219
 Board Member.....Jody Diaz (360) 490-2461
 Board Member.....Sharon Diaz.(360) 490-0191
 Board MemberMark Pentony(360) 490-4742
 Board Member.....Tom Strom Jr.....(360) 350-0181
 Alt Board MemberDick Robb(360) 427-4521
 Alt Board MemberJeff Sterba(360) 490-5800

2018 Membership dues are now \$100 . If you pay by mail send your dues, proof of 2017 AMA membership and a self addressed stamped envelope to the

**Treasurer:
 SFRCF C/O Mark Pentony, 180 Vuecrest
 Dr. Union Wa 98592
 Make checks payable to SFRCF**

Webmaster: Bob Beatty bigbird@quintex.com

2018 SANDERSON FIELD R/C FLYERS RELAY FOR LIFE TEAM

The Sanderson Field R/C Flyers is participating in Relay for Life this year in honor of Selena Myers. It has been 20 years since the club participated in this event. Sharon Diaz is our Team Captain. We hope you will all join us.



You are invited to join us in walking to help save lives from cancer, at our Relay For Life event. Relay participants are determined to help the American Cancer Society fight all stages of all cancers, in all communities.

gether, where teams take turns walking or running around a track or path. Symbolizing that no one should face cancer alone, we take turns or walk together to show our passion for seeing the end of cancer in our lifetime.

Will you join and walk with us? Learn more or register using the link below.

http://main.acsevents.org/site/TR?team_id=2285831&pg=team&fr_id=86815&s_locale=en_US&et=-jPIUsUtAZ7qj-K6agArPA&s_tafld=2078639

We have some great fundraising ideas. But we are always open and grateful for any suggestions.

American Cancer Society Relay For Life events bring communities to-

Email sharonelenya@gmail.com or call 360-490-0191



WANTED

Volunteers



Hunter Farms

Flying Field

Volunteers wanted for mowing grass field

It's preferred to mow on Weds and Thurs, but we are flexible

CONTACT Sharon Diaz sharonelenya@gmail.com

APR 09, 2018



Hobbico's Radio-Controlled Hobby Business Continues as Horizon Hobby!

**Please Read on for Information Regarding the Sale of Your Personal
Information and Your Right to Opt-Out**

Dear Valued Customer:

As you may be aware, Hobbico, declared bankruptcy in January 2018 and has initiated a sale process.

We are excited to share with you that the RC brands from Hobbico that you have come to rely on over the years will continue. The Bankruptcy Court has approved the sale of Hobbico's RC business to Horizon Hobby, LLC. Horizon Hobby has been in business since 1985 and serves customers in the United States and around the World. Horizon Hobby also maintains a strong online presence and warmly welcomes Hobbico customers to its growing family. With this acquisition, Horizon Hobby looks to build upon Hobbico's great reputation for providing quality RC products to customers across the country. More information about Horizon Hobby can be found at <https://www.HorizonHobby.com>.

SANDERSON FIELD R/C FLYERS

2018

Winter Build Challenge



COME JOIN US IN THIS GRASSROOTS MOVEMENT!!

Welcome to the 2nd Annual 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 2nd, 2018. 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 eligible for a prize, and receive a commemorative challenge coin.



Here are the build challenge rules! Remember to post your picture on our Facebook page.

1. Must be a new build from a balsa kit. No repairs jobs of previously flown aircraft.
2. New builds can be scratch built or assembled from a kit--(no arfs). Entries can be built from balsa, foam, or other materials. No ARF's or Foamies.
3. Previously started kits ok, but must be less than 50% completed/not covered when picture is posted.
4. Can be any size or type of kit (lock/tab, die cut, scratch built)
5. Can be glow, gas or electric
6. Open to any AMA club member
7. Must be completed prior to AND flown at maiden party
8. All progress photos will be shared with the

Sanderson Field R/C Flyers Facebook Group

Camping is available for \$20 per night (Friday 6/1 ~ Saturday 6/2)

Questions, suggestions and ideas: 360-490-0191

Email: sharonelenya@gmail.com



Support your local hobby shop!!

Special thanks to Gregg Marshall & the Portland Sky Knights for sharing your idea.

Sanderson Field R/C Flyers



Fun Fly & Fly In

June 3rd, 2018

9:00 AM - ??

Contest
Prizes!

&
Fun!



**\$5 PER
LANDING FEE
IS A DONATION
FOR RUNWAY
REPAIR**

Landing Fee \$20 (includes lunch)

Event Director: Jody Diaz

Phone: (360)490-2461

Flyingracer@comcast.net

sandersonfieldrcflyers.com



Directions to the Flying Field:
Go North on HWY 101,
go past the main entrance to Sanderson Field.
Sanderson Way is the next turn to the left.
This is the industrial entrance.

Turn left on Sanderson Way,
the road winds around a little but
stay on the main road.

Watch on the left and you will
see the runway we fly from.

Go past the gate that looks
down the runway to the second gate.

