

Vol. 27

Issue 08

July 30, 2017

Ron Ernhardt, President
Dick Lehmann, Treas.
Rich Eastwood

Bill Becker, Vice Pres.
John Vehlow
Don Paquette

John Gosz, Sec.
John Schieffer
Eugene Fehlhaber

Wausau R/C Sportsmen website - www.wausaurcsportsmen.org

MEETING NOTICE

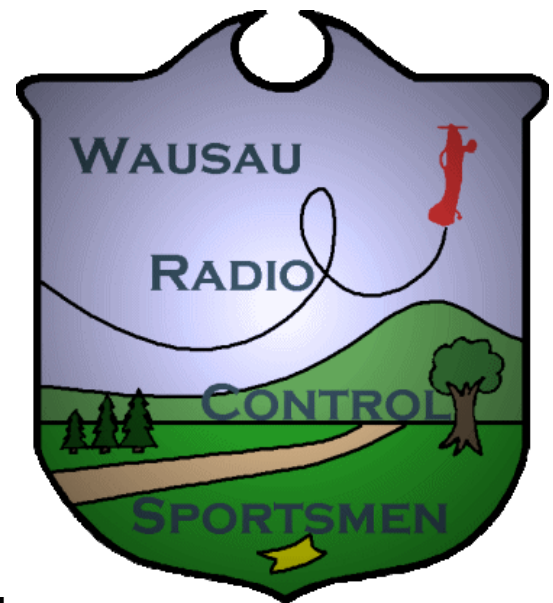
August 08, 2017

6:00 PM

Sunnyvale RC Park

Coming Events

- Aug. 07, 2017 Integrated training of new pilots & Members flying Mondays
In August. 6:00PM**
- Aug. 08, 2017 Monthly meeting at Sunnyvale RC Park.
6:00 PM**
- Aug. 11, 2017 Field Set-Up for Annual Fun Fly 9:00AM**
- Aug. 12, 2017 53rd Annual Wausau RC Sportsmen Fun Fly In 8:00AM**
- Aug. 28, 2017 Last night for new pilot training**
- Sept. 12, 2017 Monthly meeting at Wausau Municipal Airport. 7:00PM**
- Oct. 10, 2017 By-Law and Rule changes presented to the membership-if any.**
- Oct. 10, 2017 Board of Director Nominations.**
- Oct. 10, 2017 Monthly Meeting at the Wausau Municipal Airport. 7:00PM**
- Oct. 28, 2016 Field Tear down, winterize as needed. 9:00AM**
- Oct. 28, 2017 Set-up swap and auction tables at St. Matthew/Faith Formation School. 9:00AM**
- Oct. 29, 2017 23rd Annual Swap and Auction at St. Matthews/Faith Formation School. 8:00AM**





2017 Family Picnic

Letter from the President

First of all, I want to thank all those that pitched in to make our Family Picnic a success including mother nature. The weather was great that day with light winds, clear skies and mild temperatures. Couldn't ask for better.

There were about 50 members and family members present with a lot of socializing. There was plenty of food to go around and our cook (John Vehlow) was kept on the run. Good job John! For any of you that were unable to attend, I hope next year you can make it to this club function.

Our annual Fun-Fly is coming up in a couple of short weeks. There are still some loose ends that need to be addressed such as field prep and volunteers to help serve at the food stand. The field prep is going to take place on August 11th. Between now and Friday, Aug. 11, the long grass along the road needs to be trimmed down and also around the shelter and runway edges. I will be calling a few members to get some volunteers to help with this. The club does own a weed eater so if you don't own one but would like to help out, we have you covered. Please pitch in if you have some time. Our raffle table is looking real good this year without breaking the bank. We are still accepting donations for the raffle if you wish.

I have been talking to the Marathon County Park Dept. (Andy) about the situation with our road. The Park Dept. has offered to supply a small dozer and cover the section of the road with granite (to keep the dozer tracks from tearing up the existing black top). They advised that sometime in Sept. would be a good time for them to help us with this project. After we nail down pricing for the rock, we will schedule a day to complete this. This will be discussed at the Aug. meeting and if there are any questions, I will do my best to answer them.

I hope some of you have been able to attend some of the other area fly- ins. They are usually a lot of fun and you get to make some new acquaintances along with catching up with some old ones. Helping to support other area clubs is a good way to have them help support ours.

I want to thank the crew that is doing the field mowing. With all the rain we have had, the grass is growing quite well and it does take some extra time to do a good job. I know the field is rough but I hope to have it rolled in the near future.

Enough for now. Remember, altitude is your friend!

Ron



WAUSAU R/C SPORTSMEN CLUB INC.
Meeting Minutes
July 11, 2017

The meeting was called to order by President Ron Ernhardt at 6:00pm at the Sunnyvale RC Park. The meeting began with a round of introductions. There were 18 members present.

Minutes: The June minutes were included in July Flypaper edition. Ron Ernhardt made a motion to omit the reading of last month's minutes and approve as prepared. The motion seconded by Doug Rowley. Motion carried

Financial Report: Contact Dick Lehmann for a detailed financial report.

There are 52 paid members at the end of the month.

Breakfast at the field recap: There were about fourteen members who came out for the club's Breakfast at the field on June 17. Chef Russ served up a tasty menu of scrambled eggs, bacon and pancakes along with a variety of beverages. The weather offered ideal conditions for flying.

Club Family Picnic: The Club's family picnic will be Sunday, July 16th, beginning at 3:00. The club will supply the meat, Joe will again provide the generator. Dennis is taking reservations for the club picnic. Please contact Dennis if you plan on coming to the picnic. We need a head count to know how much food to purchase. Family members are invited. Ron along with volunteers Parker, John Gosz, Dave Jaecks & Nick Bowen, will pick up the tables and canopies at the Wausau Whitewater building and help with setup beginning at 1:00.

Field Maintenance: Ron asked for comments on the removal of the white posts between the spectator fence and flight line. Most members agreed it was long overdue.

Ron will contact Riverview to have the field rolled professionally. The club's roller is not heavy enough to do the right job.

The ruts at the east end of the parking still need to be addressed. This will hopefully be done before the fun fly.

Fun Fly: Bob Weller will be the contest director for this year's fun fly. Bob gave a breakdown the tasks days and times for the setup for the event.

Bob asked for volunteers to help with the tasks. Volunteer that have come forward to date are:

Parker Merrill.....Transporting items from Wausau Whitewater building
Tom Ralph.....Prize Table item pick up
Dick Lehman.....Pilot Registration
Eugene Fehlhaber..Raffle Table
Food Stand.....John Velhow
Joe Osimitz.....Flight line safety
John Gosz..... Greeting & Packet Handouts
Rich Eastwood.....Photography

Other positions still needed to be filled are: distributing signs, grill cook, announcing, as well as volunteers to assist with the above positions.

Russ Putnam has offered to donate soda for the fun fly. Thank you Russ
There was discussion on getting prizes for the raffle table. Club members agreed to spend up to \$300 toward raffle prizes. Members were also asked to help with raffle prize donations . Jim Hahn offered two gift certificates from Freddie's in Hatley.

Training: Weather on training nights has been ideal over the past two weeks, and many members have come out to help. Unfortunately there haven't been students showing up as expected. Emails to the students will be sent out prior to Monday as a reminder and inquire on their continued interest.

Monday nights are reserved for training, however, the field will be open to flying in the event no students come, or if students leave early. Students will always be given priority over non students. It's been the policy to allow open flying with training beginning in August.

Safety: Safety Officer Parker reminded all members who are bringing young guests to the club picnic to watch out for their safety.

Good of the Club: Ron mentioned that the date of the WRCS Swap meet and Calumet Flyers Swap meet coincide. This was due to the way the Sundays in October and November fell this year. Normally Calumet Flyers have their swap meet the first Sunday in November. Because of the distance between the two clubs, hopefully this won't cause too much of a conflict.

Ron gave a recap and update on the options to repairing the road south of the cable gate. The option recommended from the last meeting was to haul rock to reinforce the east side of the road. He's contacted several trucking companies on the cost of hauling rock. Most companies now charge hauling by the ton not the yard. Using the figures from the trucking companies, Ron estimated a cost of \$2,100 plus excavation cost for the repair.

There was discussion on the history and other options for repairing the road. Another option was to level the road at the highest spot so that when water flows over the road, it flow evenly over the entire road and not the lowest spot which would result forming a stream and accelerate a washout.

A suggestion was made to contact Marathon Co. Park Dept. to ask if the Co. would provide any assistance with this issue. Ron offered to contact the individual and report back.

The question was asked if there is any kind of donation account where funds could be added and drawn from. The club does have such an account, but it's not tax deductible.

The club will not be attending the Wausau Balloon Rally due to the insufficient response from the Wausau Events Council. The location and times given are not beneficial to the club's purpose.

Ron asked for ways similar to the mall show in promoting the club that would give the club good exposure and attract public interest.

One option may be to have a display at the Wausau Airport during the air races stop over during the week of EAA. Last year many people attended the event. The club thought this was worth looking into.

Another suggestion is to have a better presents on Face Book and update the club's website with more recent information.

Next month's meeting will be August 8th, 6:00pm at Sunny Vale.

Show and Tell: There was no show and tell.

Meeting was adjourned at 7:15 on a motion by Don Paquette and seconded by Rich Eastwood.

John Gosz

WRCS Secretary
July 14, 2017

53rd Annual Fun Fly-In

Our 53rd Annual Fun Fly-In is coming up on August 12th. Set up will begin on Friday, Aug 11th, just as we have in the past, by picking up the tents, chairs, tables, etc. at the Wausau Whitewater Park (north of VFW) at 8:00 AM. We will need a truck and trailer to get the materials to the field. This year Parker has volunteered to provide these two items. If you have a van or truck to haul any items please let me know. After the pickup, set up at the field will start at 9:00, including any additional site trimming of runway, blowing off runway, and trimming the entrance to the park. We will get the area prepped, installing as many items as we can, completing a detailed prepared list for that day. On Saturday, August 12th, the day of the event, we will start at 6:30 AM, completing the items we prepped on Friday. There will be lots to do. Signs will need to set up at intersections, signage at the field placed, tents set, tables, cooking area prepped, PA wired in, generator connected/running, raffle table displayed, food area set and operational... lots to do in a short time. The Registration table needs to be up and operational by 7:30. Please consider being there for either or both days to help with this fun filled event.

Flying will start at 8:00 AM for our registered pilots. Hopefully, every club member will register for the event, even if you don't intend to fly. You are eligible for prizes, and it demonstrates to the AMA the strength of our event, locking our area event to the second Saturday of August. Small items for RC, sports, camping, tools, gift certificates, etc. are still needed for the raffle. Please consider donating your Menards or Fleet Farm, or Home Depot rebates or gift cards as a way to support the organization.

Prizes can be brought to the meeting or given to a Board member. Every prize helps along with your support of this event. Signup sheets will be at this meeting. If you can't be at the meetings, please let me know you'll be helping by calling me directly.

Bob Weller - 715-571-3476.

Fuel: The Ins and Outs

by Mike Philips, North Dallas R/C Club

(mike@rcnegades.com)

What is the best fuel to run? I hear this question ring throughout the flightline repeatedly from new pilots and longtime fliers alike. Many wonder what the best fuel is for their airplane, costs, protection, and other things associated with fuel and glow/gas engines for our RC aircraft.

This article will cover a month-long adventure I was on to determine just what fuel I should be using, along with field tests, a lot of reading on the Internet, and conversations with experienced longtime fliers. I hope to be able to explain what might help anyone determine the best type of fuel for them to use.

Being fairly new to this hobby, and absolutely no expert in this field, I will explain this in the best possible way in an effort to have something to point to when somebody asks "What is the best fuel to use."

Disclaimer: This information is provided as is, with no warranty. Use this information at your own risk. Feedback is always welcome; please feel free to contact me if you like.

Fuel: model aviation fuel contains three elements:

- Alcohol
- Nitro
- Oil

Engine fuel for RC aircraft known as glow fuel contains three elements that are determined by the manufacturer and usually printed on the gallon jugs or cans purchased when you buy your fuel.

Out of these three elements, only two are combustible: the nitro and alcohol. In my testing during the past month, my main concern was the oils used in these fuels. Allow me to explain.

I generally run Saito four-cycle engines and these engines require slightly less oil than their two-stroke counterparts. Determining the oil content is what has taken me down this road because of a malfunction on my Saito 100 that is currently flying in my U-Can-Do 60. A deadstick over the runway, inverted at about three feet makes you start figuring on things you had not thought of in the past. The airplane survived, however the rush I got from getting the model flipped over and back on the ground had me thinking.

After further examination, I discovered that the engine had a stuck tappet in the tappet guide; this caused the exhaust pushrod to hang and rip teeth off of the cam gear— a really ugly site too.

Repairing the Saito 100 (or better said, an attempt to repair) found that any small debris in this motor will cause damage. Finding that this motor did the same thing on the second flight after the repair, I found that microscopic pieces of the cam were lodged in the tappet guide once again.

A full breakdown of this motor and repair once again, replacing the bearings (rusted and pitted) and a complete cleanup and soaking helped put it back in the air.

With this information in hand, I was able to determine that rust had played a part in the first engine malfunction and pieces of the cam gear on the second malfunction.

This all started with rust. Where does this rust come from? There is moisture in the engine. Where does this come from? The adventure was on its way ...

Moisture in your engine can cause damage, sometimes catastrophic damage and so, this takes us to the third element listed: oil.

Glow engines run fuel like our everyday two-stroke motors with a combustible (alcohol, nitro) liquid and a lubricant (oil). Oil is an important piece of ensuring that your engine does not rust and also keeps the engine running smoothly and well lubricated to prevent heat. Rust can build in your engine, whether it is stored for long periods or short periods of time and thus, we simply should have oil in the engine to prevent the rust.

When an engine runs, it takes in moisture from the fuel source and carburetor. Nitro acts as a magnet to moisture and will draw the moisture into your motor. Have you ever noticed when you spill any of this glow fuel it will quickly obtain a milky looking film over the top? This is the nitro pulling in the moisture from the air.

The oil used in the fuel plays a big part in protecting the engine from moisture and preventing rust long term and short term.

Many fuel companies list what they use in their fuels. Many use synthetic oil and this oil allows the motor to run more rpm's than castor-based oil will. Castor is a thicker, natural oil and will protect the motor (long term) better than a synthetic fuel. If the motor is running a lot where it does not have time to ever be dry from a synthetic fuel, then synthetic fuel may be okay to run with no issues.

Castor being a natural lubricant (hey, this stuff comes from beans) is thicker, and will leave residue all over the motor, which will protect it while in storage helping to prevent rust. So, I decided that I would want a fuel that had castor to beat the rust, but also wanted a synthetic fuel that would loosen up the mixture so I could produce the RPM range I was looking for.

Let's look at some of the fuel tested here (percentages are based on volume):

- **Cool Power 2-cycle fuel.**
- **15% nitro/20% oil (10% low viscosity, 10% high viscosity)**
- **Cool Power 4-cycle fuel.**
- **15% nitro/18% oil (9% low viscosity, 9% high viscosity)**
- **Cool Power 4-cycle fuel (castor based).**
- **15% nitro/18% oil (9% castor, 9% synthetic)**
- **Ritch's Brew 2-cycle fuel**
- **15% nitro/22% oil (known as the 11-11)**

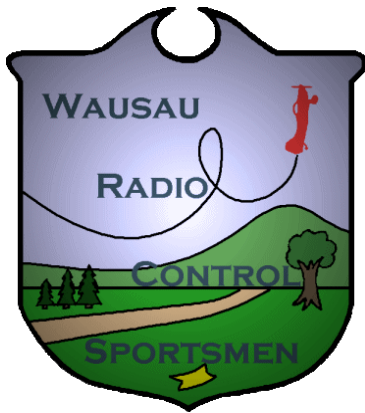
The goal was to use like brands to determine the best RPM and change the oil content. And with the findings, the Cool Power 15% 4-cycle, 100% synthetic has proven to provide the most rpm and power however, running this fuel comes at a cost.

Back to the rust issue. (Note: This is on a four-cycle engine, for a two-cycle; you would want the 20% oil). Running a fuel that is 100% synthetic can prevent rust in a short-term period however, my feeling and understanding is that the castor would assist in preventing rust.

So, how can you run the best fuel and get away from the worry of rust? If you run a fuel with castor, there is probably nothing to worry about. If you run a fuel without castor you should use after-run oil.

If you read a label on the Cool Power (this was amazing to me) it states "after-run oil not required." After all I had read through and understood, this was somewhat of a mystery to me. How can you run 100% synthetic fuel and not have to use after-run oil? They attribute this to low-viscosity synthetic fuel from what I gathered in the information online at Morgan Fuels.

In short, use my recommendation because this is based on what I know to be the best fuel for me. But, if you're running a fuel and it does well for you, then that is the fuel for you. In my opinion all fuel is about the same: different manufacturers are the difference in the production of fuel. I personally like Cool Power however; another brand with the same mix would probably run the same.



AMA CHARTER CLUB #671
WAUSAU R/C SPORTSMEN'S

53rd ANNUAL
RC - FUN FLY-

SANTIONED BY THE ACADEMY OF MODEL AERONAUTICS # 287

AMA & LOCAL SAFETY RULES ENFORCED – FREQUENCY CONTROL
AMA MEMBERSHIP REQUIRED TO FLY

SATURDAY, AUG 12, 2017
WAUSAU, WI

For more information, maps, and event details, visit www.wausaurcsportsmen.org
or

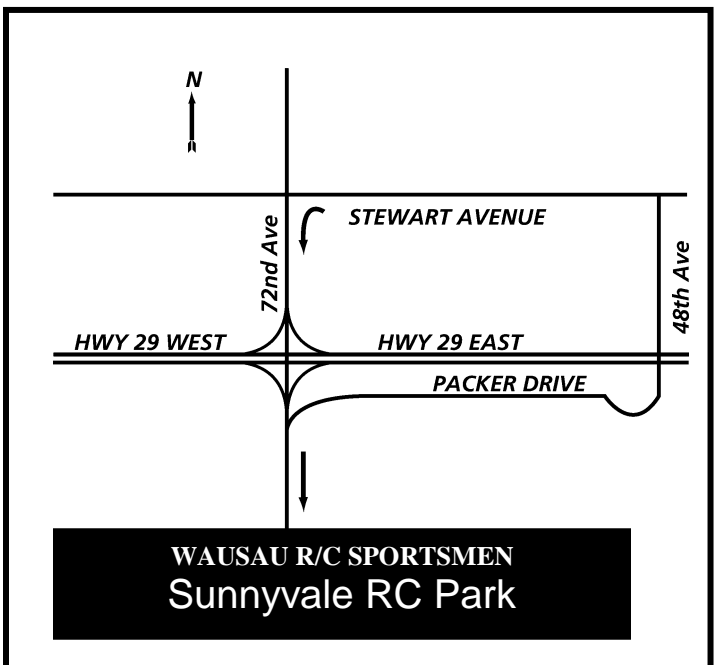
CD -- Bob Weller - 715-842-1755 – bweller@wellertechnology.com

Raffle Drawing Scheduled For 2:30PM or Earlier If Weather Problems Exist

GPS Info - Latitude 44 56' 49" --- Longitude: 89 43' 39"

EVENT DETAILS:

- * PILOT REGISTRATION BEGINS: 7:45 AM
- * PILOT MEETING: 8:00 AM
- * FLYING STARTS RIGHT AFTER MEETING
- PILOT REGISTRATION FEE: \$5.00
- * RAFFLE SCHEDULED AT 2:30 PM
- * BLACKTOP AND GRASS RUNWAY
- * PILOT PRIZE DRAWINGS ALL DAY
- * 72 MHZ TX's WILL BE IMPOUNDED



***SUNNYVALE RC PARK IS LOCATED ON 72ND AVE
WEST OF WAUSAU AND SOUTH OF HWY 29***



**Sixteenth Annual
Dick Strand Memorial
R/C FLY IN**

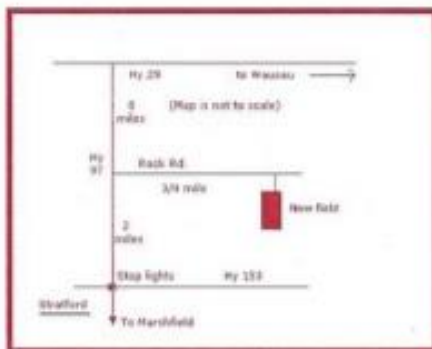


Saturday, August 5, 2017

Sanction #1483

**SPONSORED BY THE MID-STATE AEROGUIDANCE CLUB
MARSHFIELD, WI**

**SITE: CLUB FIELD IN STRATFORD, WI
(2 MILES NORTH OF STRATFORD ON HY 97)**



**Strand Field GPS coordinates:
N 44° 49' 42"
W 90° 04' 01"**

★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★
★
★ **FOOD AND REFRESHMENTS** ★
★ **AVAILABLE ON SITE** ★
★ **AMA LICENSE REQUIRED TO FLY** ★
★ **FLYING STARTS AT 9 AM** ★
★
★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

**FOR MORE INFORMATION, CONTACT:
JIM RASMUSSEN Contest director.
307 W 5th St.
Marshfield, WI 54449
(715)387-6561**

Landing fee: Just \$5.00 for a day of fun!



Fly Paper
Rich Eastwood
8609 White Pine Ct.
Wausau, WI 54403



ADDRESS CORRECTION REQUESTED

