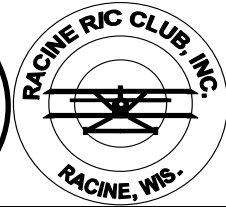




THE FLIGHTLINE



AMA CLUB 668 SINCE 1968
RACINE RADIO CONTROL CLUB INC SINCE 1968

RRCC May Issue
NO MEETING May 2020!

WE ARE ON THE WEB
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JIM'S CORNER

The "Social Distancing", isolation, boredom, etc. continues. In the long run it's probably for the best. Keeping us older club members safe is important, and with the in mind, the May 2020 club meeting is cancelled.

THE MAY 17TH RC CLUB MEETING IS CANCELLED

Club members have been flying at the field, and social distancing has been practiced, so if you are so inclined, you could try and get a few flights in. I have to say the wind has not been favoring us.

The compost site is open and operating. This week the site was paved with asphalt. The Village plans on covering the Wednesday compost site duty with their personnel for another week or so until they get a system set up that they like. We can expect it to be turned over to us after that. Tried to get the Mt. Pleasant DPW Foremen, Mark Benish to cover it for the entire summer, but he laughed and wasn't buying that idea!

If you plan on flying during the week, be aware that the Village personnel are in the compost site frequently. So your flying pattern will be tight over our field.

We say it a lot in the late winter & early spring to check out your planes and equipment before heading to the field, but it seems not everything seems to go that way. There have been a number of equipment issues early on, but nothing serious.

It is still our intent to take down the shelter sides on

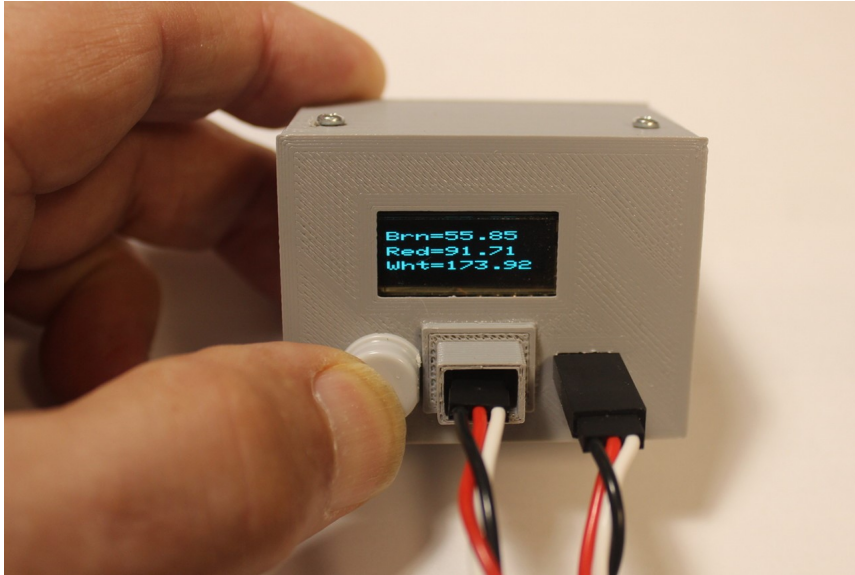
Saturday, May 30th. Hopefully we can start to gather by then, and if not fully open, we could still keep our distances. More information will be sent out as that date approaches. It would be our intent to also recover the wood pile on that date. If you haven't seen some of the email notices, the field has been cut several times, and rolled at least 4 times so far, so the field is getting in good shape.

Thanks to Roger Nickolaus, we have a new [Pintle](#) hitch on the tractor to hook up to a new hitch on the rollers making the attachment MUCH easier. Please take whatever measures you feel are necessary and keep yourself safe. Watch for future email messages with club updates. Fly Safe & Have Fun
Jim Litwin
President



At the field on Monday May 11, 2020. Jim's son loaned the club his sprayer system to cover the RRCC field with weed killer.

Roger N brought over a large water tank that weighed around 1700 pounds when full. Water was taken out of the pond near the North East corner of the RRCC field for spraying.



DennyV's new SwitchIR meter is shown at the left.

Since the original meter by DennyV was designed and built, a new integrated circuit became available that can measure voltages accurately down to 0.00001 Volts. That's 1/100,000 Volt! The cost of this chip is under \$5.00. Amazing.

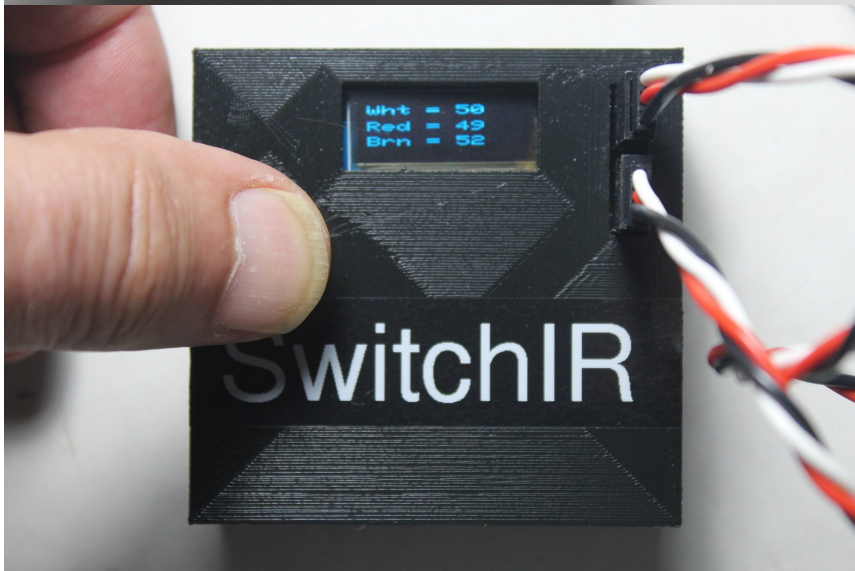
The top grey meter was designed and built last fall, but I've posted this project in rcgroups, and got four requests for the project.

A circuit board was designed for the unit, and I've got parts for 12 of them. All twelve have been built, and I have one or two not spoken for.

This unit is much more accurate than the original unit that required a two cell A123 battery for power. The current SwitchIR meter is powered by a simple 9 Volt battery.



Note the top view of a servo cable that measures all the way up to 173 milliohms, (0.173 Ohms) That is a direct indication of a bad crimping job.



The bottom photo shows typical results of a 6 inch servo extension cable. I've found cables measuring over 600 Milli-Ohms.

As a refresher, these servo extensions are a very critical portion of our RC equipment. Any problems with these units can result in an untimely short life of a model airplane.

I've found bad cables in brand new servo extensions purchased from Maxx products. The problem appears only with their #20 gauge servo extensions.

Pulling slightly on those bad #20 servo wires often drops the resistance by a factor of two, a direct indication of an improper crimping job.

Obviously, the resistance of a servo extension should never change by slightly pulling on its lead wires with a pound or so of force.

This meter is also useful for checking those receiver switch harnesses. With the switch closed, the black and red

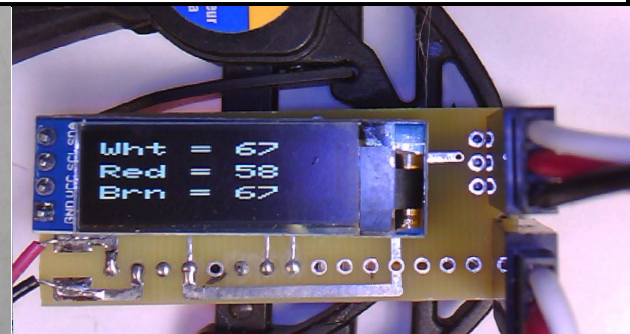
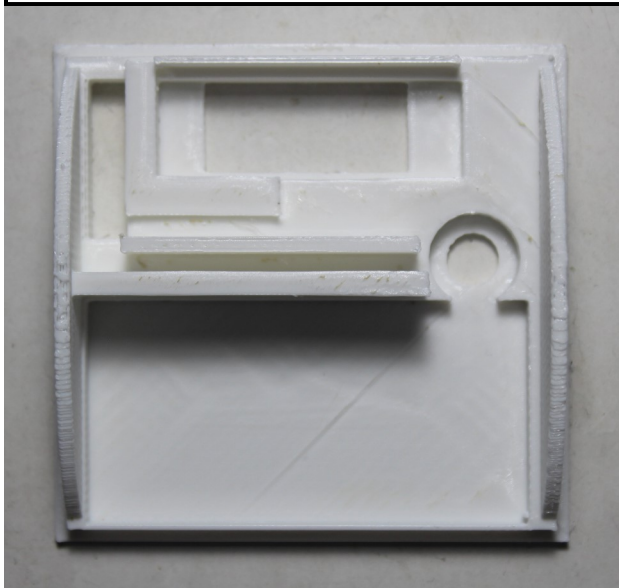
wires should show a very low resistance, on the order of perhaps 60 milliohms or less.

Flipping the receiver switch to its open position should result in the SwitchIR meter showing only the red wire as open.

If you ever find a switch that opens BOTH the red and the black wires, cut off its lead wires so no one else uses it, and junk it.

Also note that I've sold these units at the parts cost of the materials, with zero dollars for my labor.

As such, I am limiting the sale of these SwitchIR meters, along with those two cell A123 battery packs for receiver power to the active model fliers in our RC club.



The left photo shows the 3D printed panel for the SwitchIR meter. Note the various cut outs for the OLED display, the servo connectors and the push button switch. There is even a compartment for the 9 Volt battery.

Your editor bought his 3D printer over a year ago with expectations of using it once and a while. Things have really changed with this piece of equipment. It has been used regularly for many different projects. That includes model

brackets, electronic project cases as above, and many more items. It takes about 8 hours to print one of the SwitchIR meter cases.

Milwaukee Association of R/C Clubs 2020 Event Schedule (Reflecting known cancellations at this time)

(Copied from Marks newsletter, thanks Charlie!)

Sat Apr 11	Model Engine Collector's Assn)	Collector and Hobby Swap Meet
Sun Jun 7	Circle Masters Flying Club	Control Line Open Fun Fly
Sat Jun 13	Flying Electrons	Club-Only Fun Fly
Sat Jun 13	Fond du Lac Aeromodelers Assn	Open Fun Fly
Sun Jun 28	Flying Electrons	Electric Only Event
Sat Jul 11	Astrowings of Wisconsin	Charity Fun Fly
Sun Jul 12	Flying Electrons	Scale Event
Sat Jul 25	Lakeland RC Club	Fly-In
Sun July 26	Flying Electrons	60th Anniversary Celebration
Sun Aug 2	Circle Masters Flying Club	Annual Control Line Contest
Sat Aug 8	Milwaukee Area Radio Kontrol Society	Float Fun Fly DNR Bong
Sat Aug 8	Rubicon Area Flyers	Fun Fly Thu
Aug 13 - 15	Fond du Lac Aeromodelers Assn.	Warbirds and Classics
Sun Aug 16	Fond du Lac Aeromodelers Assn	Wellnitz Memorial Open Fun Fly
Sat Aug 22	S.E. Wisconsin Area Rotary Modelers	Friend Fly
Sun Aug 23	Racine RC Club	Open House
Sat Aug 29-30	Circle Masters Flying Club	Demo Flying, Sussex Farm Show
Sat Aug 29	Flying Electrons	Air fest, Fly-In Benefit Troop #110
Sat Sept 12	Flying Electrons	Fly-In and Swap Meet
Sun Sept 13	RC Club at Watertown Airport	Open house, breakfast, flying
Sat Sep 19-20	Flying Electrons	Pattern Contest
Sat Sep 26	RAMS and	Joint Club-Only Picnic
Sat Sep 26-27	All clubs are invited to participate	Maker Faire
Sat Oct 10	Model Engine Collectors' Assn)	Collector and Hobby Swap Meet

COMPOST ROSTER 2020

Date	Time	Worker	Date	Time	Worker	Date	Time	Worker
04/08/20	12-2		06/24/20	12-2	Carl Bergquist	09/09/20	4-6	Eric Armantrout
04/08/20	2-4		06/24/20	2-4	Ray Fisher	09/16/20	12-2	Craig Manka
04/08/20	4-6		06/24/20	4-6	Ray Fisher	09/16/20	2-4	Craig Manka
04/15/20	12-2		07/01/20	12-2	William Wampler	09/16/20	4-6	Eric Armantrout
04/15/20	2-4		07/01/20	2-4	William Wampler	09/23/20	12-2	Stephen Knackert
04/15/20	4-6		07/01/20	4-6	Matthew Holl	09/23/20	2-4	Rich Smentek
04/22/20	12-2		07/08/20	12-2	William (Oz) Miller	09/23/20	4-6	
04/22/20	2-4		07/08/20	2-4	Tim Hady	09/30/20	12-2	Bill Flannery
04/22/20	4-6		07/08/20	4-6	Trygve Smalley	09/30/20	2-4	Bill Flannery
04/29/20	12-2	Stephen Knackert	07/15/20	12-2	Matthew Holl	09/30/20	4-6	Bill Flannery
04/29/20	2-4	Rich Smentek	07/15/20	2-4	Justin Francisco	10/07/20	12-2	Ronald Schroeder
04/29/20	4-6	Raymond Redlin Sr	07/15/20	4-6	Justin Francisco	10/07/20	2-4	
05/06/20	12-2	Jim Hiett	07/22/20	12-2	Roger E Olsen	10/07/20	4-6	
05/06/20	2-4	Jim Hiett	07/22/20	2-4	Roger E Olsen	10/14/20	12-2	Larry Petricek
05/06/20	4-6	Dan Pozel	07/22/20	4-6	Raymond Redlin Sr	10/14/20	2-4	Larry Petricek
05/13/20	12-2	Edward Witt	07/29/20	12-2	Dennis Vollrath	10/14/20	4-6	Larry Petricek
05/13/20	2-4	Edward Witt	07/29/20	2-4	Dennis Vollrath	10/21/20	12-2	Roger Nickolaus
05/13/20	4-6	Edward Witt	07/29/20	4-6	Trygve Smalley	10/21/20	2-4	Roger Nickolaus
05/20/20	12-2	Tim Hady	08/05/20	12-2	William (Oz) Miller	10/21/20	4-6	
05/20/20	2-4	Rich Smentek	08/05/20	2-4	Charlie Reich	10/28/20	12-2	
05/20/20	4-6	Dan Pozel	08/05/20	4-6	Daniel Fucile	10/28/20	2-4	
05/27/20	12-2	Jim Litwin	08/12/20	12-2	Gary Bokowy	10/28/20	4-6	
05/27/20	2-4	Jim Litwin	08/12/20	2-4	Charlie Reich	11/04/20	12-2	
05/27/20	4-6	Jim Litwin	08/12/20	4-6	Daniel Fucile	11/04/20	2-4	
06/03/20	12-2	Carl Bergquist	08/19/20	12-2	Gary Bokowy	11/04/20	4-6	
06/03/20	2-4	Ray Fisher	08/19/20	2-4	Charlie Reich	11/11/20	12-2	
06/03/20	4-6	Trygve Smalley	08/19/20	4-6	Daniel Fucile	11/11/20	2-4	
06/10/20	12-2	Buzz Paricka	08/26/20	12-2	Wayne Greisen	11/11/20	4-6	
06/10/20	12-2	Helmut Schmidtke	08/26/20	2-4	Wayne Greisen	11/25/20	12-2	James Strelitzer
06/10/20	2-4	Buzz Paricka	08/26/20	4-6	Wayne Greisen	11/25/20	2-4	James Strelitzer
06/10/20	2-4	Helmut Schmidtke	09/02/20	12-2	Ronald Schroeder	11/25/20	4-6	James Strelitzer
06/10/20	4-6	Roman Kirykowicz	09/02/20	2-4	Ronald Schroeder	12/02/20	12-2	Steven Navone
06/17/20	12-2	Jerry Rose	09/02/20	4-6	Raymond Redlin Sr	12/02/20	2-4	Steven Navone
06/17/20	2-4	Jerry Rose	09/09/20	12-2	Darrel (Hoss) Hossalla	12/02/20	4-6	Steven Navone
06/17/20	4-6	Roman Kirykowicz	09/09/20	2-4	Darrel (Hoss) Hossalla			