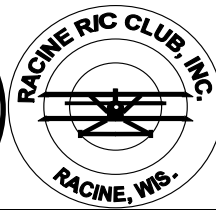




THE FLIGHTLINE



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

RRCC February Issue
February 18, 2024 Newsletter

WE ARE ON THE WEB
www.racinerclub.com

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(Newsletter Editors Note: The RRCC field locks will be changed on 04/01/2024. If you have not renewed your RRCC membership for 2024, your last emailed newsletter will be the month of March)

Racine R/C Club Meeting Minutes

January 21, 2024

Time: 1:00 PM

Location: R/C Flying Field

Open Meeting - Jim opened the meeting at 1:00PM. There were 21 members in attendance.

Welcome - New Members & Guests – There were no guests or new members.

Minutes - Last Meeting – There were no changes to the published minutes.

Reports

President- Jim Litwin reminded everyone about the Milwaukee RC Association hosting the 45th annual auction and swap meet again at the Washington County fairgrounds, Sunday January 28th, 2024.

Copies of the flyer will be in the club newsletters.

Workers are needed. Two-hour shifts with free entry to the event. Shifts are as follows - 6:30AM-8:30AM, 8:30AM-10:30AM, and 10:30AM-12:30PM. Event opens at 8:30AM

Thank you goes out to Hoss for plowing the parking lot so we can meet at the field.

Vice President- Roger Nickolaus had nothing new to report.

Secretary/Treasurer-Bob Johnson reported our checkbook balance remains strong and we are well positioned for any planned or unplanned club requirements.

Current membership as of this newsletter.

Senior Members	27
Open Members	6
Junior	
Members Total	33

The Form 990 (Tax Exempt Status) has been filed and accepted with the state of Wisconsin.

The AMA 2024 Club Charter has been paid and sent into the AMA. The Wisconsin Non-Stock Corporation will be filed soon.

Newsletter Editor - Dennis Vollrath had nothing new to report.

Field Chairman - Trygve Smalley did not attend the January meeting.

Tractor Chairman - Eric Armantrout had nothing new to report.

Web Master-Ron Hayes had nothing new to report.

Safety Officer-Darrell Hossalla had nothing new to report.

Compost Director- Chuck Roberts reported there are 50 slots left open for the 2024 Compost Duty.

Old Business- Nothing to discuss.

New Business – Voting for club awards will take place at the February meeting.

The awards are as follows:

Golden Propeller Award
Sportsmanship Award
Craftsmanship Award
Instructor Award

Award winners and trophies will be announced at the club's annual awards banquet (March 2nd or 9th).

New Pilots – None

Show & Tell – Newsletter DennyV showed off his latest electronic projects (s) that check the quality of those LiPo batteries used for the electric model airplanes.

This unit is proven accurate to 0.5% on Voltage and internal resistance measurements. Also shown is Denny's latest meter that checks the MilliAmpere Hour capacity of your receiver battery packs. These meters are "One Off" and currently there are no plans to build more of them for the RRCC club.

Raffle Drawing – Ron Hayes won the raffle and donated all \$35.00 to the club. Thanks Ron!!

Close Meeting – Jim closed the meeting with a reminder the next club meeting will be February 18th at 1PM at the club.

JIM'S CORNER

We certainly have had some unseasonably nice weather. People out flying off the grass and enjoying the field.

As a reminder, it's time to get your membership dues paid, and sign up for your compost site duty. It's what keeps the club going!

Our next meeting is being held on Sunday, February 18th, at 1 PM, and at this meeting we will be voting for the recipients of the past year club's 2023 awards. We will be using paper ballots.

The awards are:

Sportsmanship
Craftsmanship
Instructor
Golden Propeller

The Club 2024 Banquet is scheduled to be held:

Date: Saturday, March 2, 2024

Location: Roma Lodge, 7130 Spring Street, Mt. Pleasant

Time: 5 PM Arrival / Fellowship Mixing
6 PM Dinner

Meal Cost: \$ 25 per person

V.P. Roger Nicholas will have a signup roster, and can take your payments at the upcoming meeting.

I hope everyone is taking some time to inspect and repair any damage or worn parts in your planes. Always better to find now rather than at the field, or even worse, after takeoff!

Fly Safe and Have Fun

Jim Litwin

President

Dennys Stuff

Time for a trip down memory lane I along with a number of RRCC members traveled to the West Bend RRCC flea market last month. And, I spotted an Enya 60 glow engine that one of my models used back in the mid 1960's. That engine was frozen solid. He would not take \$20.00 for it.

This engine had a muffler installed, but back in the mid 1960's none of those engines were equipped with mufflers. I was flying with the Marks club back then. And, some woman two miles away complained to the mayor about the noise. We lost the Missile site RC field shortly afterward.

Before that, I had a ControlAire "Mule" transmitter that ran on 27 Mhz. And, it was modified to run a "Gallopig Ghost" servo where the rudder and elevator were swinging back and forth several times per second. The average position of these surfaces controlled where the model went.

Problem was, this radio was on the CB Citizens Band frequency. And if anyone turned on his CB within two miles, your model went good bye. And mine did. The model flew East from the Oak Creek Shepard avenue school, and landed in a farmers yard. We'd had a heavy rain the previous day and everything was soggy. There was not a single mark on the model airplane. **But it was a total LOSS!**

The farmers kids found my model buried nose first up to the wing in the farmers very wet manure pile in his farm yard! (And that folks, is a true story!)

At any rate, this is what we had back in the early 1960's. The transmitter had a single push button switch for controlling

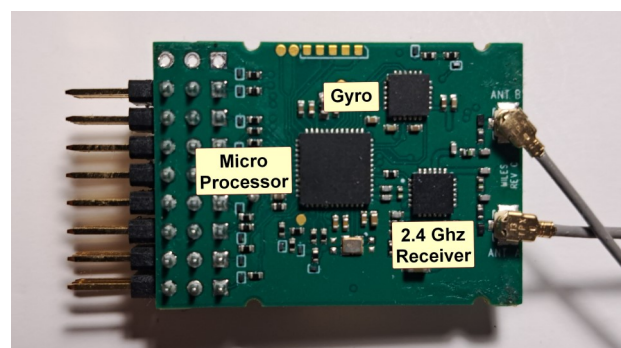
the model. And the receiver had a relay. And that was the extent of the ability to control your model.

Oh yes, you also had to build up the receiver, tune it up and get it ready to fly.

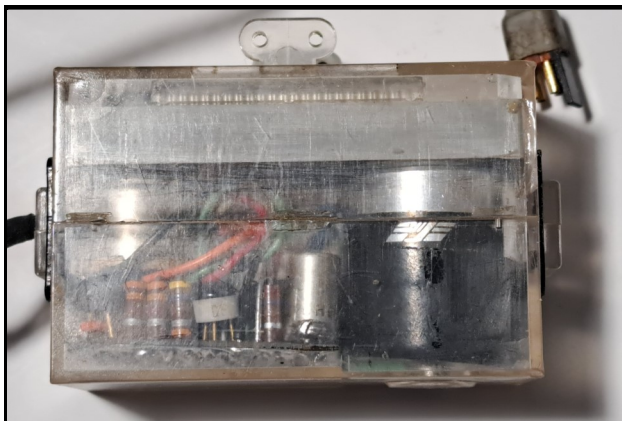


Dennys 1960's era 27 Mhz RC receiver

And, a modern 2.4 Ghz Spektrum AR8360T receiver shown below. Note that the 2.4 Ghz Receiver also transmits full range from the receiver back to your transmitter.



For the life of me, I don't know how they can cram in a full 6 axis complete Gyro including an accelerometer into that tiny chip 3/16 of an inch across. 95% of the parts are on this side of the PCB, with only a simple 3 Volt regulator chip and associated parts on the back side.

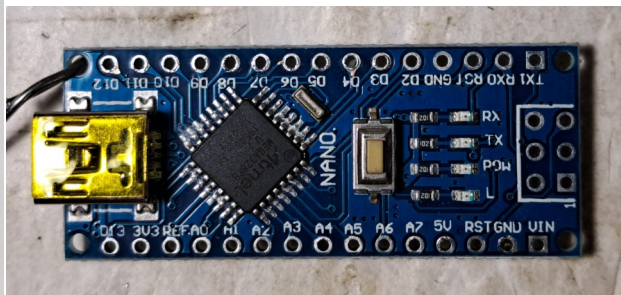


This is a servo of that era. Note all of the “Stand Up” electronic parts on the circuit board. Those parts were subject to engine vibration, and would break off after 50 flights or so. (And, your model crashed)



The transmitter, with its single pushbut-

ton for control of the model.



Here is an “Arduino Nano” computer chip available from Amazon and dozens of other places. Cost is around \$5.00 each. For the RRCC members that have purchased one of my “SwitchIR” meters, this computer chip is what powers the project.

I’ve made dozens of projects with them, from an hour meter for my lawnmower to the previously mentioned test meter for our receiver batteries. That includes the RRCC clubs anemometer project located at our club house.

It’s programmed directly from your computer to the USB port located on the circuit board. .

You can do almost anything with this computer board.

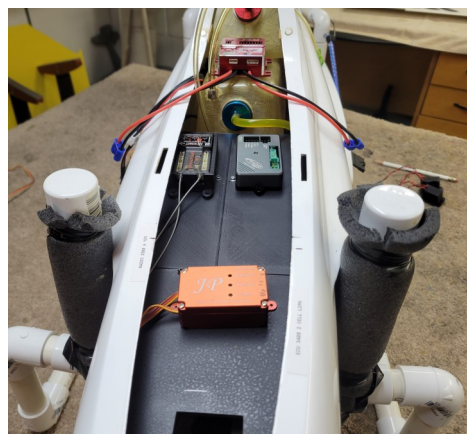
“Dennys New Toy”

Your editor picked up a new 3D printer last month. It’s the “Creality K1” model that goes for around \$520.00. purchased through Amazon. This is a totally enclosed printer that prints projects a full four times faster than my 3 year old Creality 6SE printer. It goes through about a dollar an hour in filament while printing.

I also made up an hour meter for this printer. The K1 hour meter currently has 59 hours, 48 minutes on it in two weeks!

Hoss needed a split 3 piece platform to

mount radio equipment inside his jet airplane. Here is a photo of that 3D black platform as installed inside his Jet airplane.



01/21/24	Sunday	Club Meeting		07/22/24	Mon-Sun	EAA Kid Venture
02/18/24	Sunday	Club Meeting		08/03/24	Saturday	Bong Eagles Free Flight
03/02/24	Saturday	Awards Banquet		08/03/24	Saturday	Marks Float Fly
03/17/24	Sunday	Club Meeting		08/04/24	Sunday	Circle Masters
04/01/24	Monday	Change Lock Codes		08/10/24	Saturday	Electrons BoyScouts
04/06/24	Saturday	Model Engine Collector		08/15/24	Thur-Sat	Fon Du Lac War Birds
04/14/24	Sunday	Club Meeting		08/18/24	Sunday	Fon Du Lac Fun Fly
05/19/24	Sunday	Club Meeting		08/18/24	Sunday	Club Meeting
06/01/24	Saturday	Shelter Tear Down		08/24/24	Sat-Sun	Circle Masters Demo
06/01/24	Saturday	Circle Masters		08/25/24	Sunday	Open House
06/08/24	Saturday	Fon Du Lac Fun Fly		09/07/24	Saturday	Electrons Fly/Swap
06/09/24	Saturday	Club Meeting		09/08/24	Sunday	Watertown Demo
06/22/24	Saturday	Sky Ranch		09/14/24	Sat-Sun	Electrons Pattern
07/06/24	Saturday	Bong Old Timers		09/22/24	Sunday	Club Meeting
07/06/24	Saturday	Pebble Creek Flyers		10/05/24	Saturday	Shelter Set up
07/07/24	Sunday	Electrons Scale		10/19/24	Sat-Sun	Maker Faire
07/13/24	Saturday	Astrowings Charity		10/20/24	Sunday	Club Meeting
07/20/24	Saturday	Rams Helicopters		11/17/24	Sunday	Club Meeting
07/21/24	Sunday	Electrons Electric fly in		12/15/24	Sunday	Club Meeting
07/21/24	Sunday	Club Picnic – No Meeting				

Tentative 2024 Schedule