



THE FLIGHTLINE



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

RRCC March Issue
March 19, 2023 Newsletter

WE ARE ON THE WEB
www.racinerclub.com

Club Officers

President

James Litwin
262-637-2787 (Cell 262-939-7926)
president@racinerclub.com

Vice President

Roger Nickolaus
414-405-8004
vp@racinerclub.com

Secretary/Treasurer

Bob Johnson 847-421-5494
secretary@racinerclub.com

Field Chairman

Trygve Smalley
414-940-0929
field@racinerclub.com

Safety Officer

Darrel "Hoss" Hossalla
414-651-0968
safety@racinerclub.com

Tractor Chairman

Eric Armantrout
262-498-1035
tractor@racinerclub.com

Compost Director

Chuck Roberts
224-717-9998
compost@racinerclub.com

Webmaster

Ron Hayes
224-355-7651
web@racinerclub.com

Newsletter Editor

Dennis Vollrath
Cell 262-994-6342
newsletter@racinerclub.com

Racine R/C Club Meeting Minutes

February 19, 2023

Time: 1:00 PM

Location: R/C Flying Field

Open Meeting - Jim opened the meeting at 1:00PM. 18 members were present.

Welcome - New Members & Guests - Mark Dillard from Wind Lake came to the meeting as a guest. Mark was an aviation mechanic for Midwest Airlines and is now retired. He has a GP PT-40 Trainer and an Apprentice STS from E-Flight with a Spektrum DX8e transmitter. Mark is looking forward to flying with an instructor and getting signed off.

Minutes - Last Meeting - There are no changes to last month's meeting minutes.

Reports

President-Jim Litwin announced he will be changing the lock code on all locks on Wednesday March 1st so if you are not signed up for 2023 you will not have the new code for access to the field or club house.

Vice President- Roger Nickolaus had the signup sheet for the Awards Banquet to be held at the Roma Lodge on Saturday March 3rd. Looked like a strong turnout this year.

Secretary/Treasurer-Bob Johnson
Current membership as of this newsletter.

Senior Members	37
Open Members	12
Junior Members	<u>2</u>
Total	51

General Fund-Continues to be healthy. We are well positioned to deal with any expenses (planned or otherwise) for the balance of 2023.

For those members mailing their dues, please include a self-addressed stamped envelope with your check and proof of AMA membership.

Newsletter Editor-Dennis Vollrath had nothing new to report.

Field Chairman- Trygve Smalley had nothing new to report.

Tractor Chairman- Eric Armantrout had nothing new to report.

Web Master-Ron Hayes reported he added a YouTube link to our website which will give members and perspective members a look at what's happening at the RRCC. Nice job Ron!

Safety Officer-Darrell Hossalla was not present. Hoss went someplace warm to work on his tan!!!

Compost Director- Chuck Roberts reported all 1st slots are filled and there are 80 second slots available.

Old Business- Nothing to discuss.

New Business – Voting for 2022 Club Awards took place at the February meeting. Below are the members nominated and put on the ballots prior to voting.

Craftsmanship Award-Jim Litwin, Justin Francisco, Roger Nickolaus

Instructor of the Year Award-Darrel Hossalla, Roger Nickolaus

Sportsmanship Award-Chuck Roberts,

Denny Vollrath, Roger Nickolaus
Golden prop Award-Denny Vollrath, Roger Nickolaus, Darrel Hossalla

Trophies will be present to the winners are the banquet.

New Pilots – None

Show & Tell – Jerry Rose has (3) A123 battery packs available for sale for \$30.00 each. Chuck Roberts brought (2) transmitters he made available for free. Roger Nickolaus brought a Chipmunk plane he is rebuilding for Ron Hayes (very nice job Roger!). Denny Vollrath showed his servo extension tester which verifies the servo extension polarities. He also has the SwitchIR meters that checks the resistance of the servo extensions and/or switch wires. Denny makes these testers available at parts cost for RRCC members only for \$35.00. ((Note, I've got two left)

Raffle Drawing – No raffle at the February meeting.

Close Meeting – Jim closed the meeting with a reminder the next club meeting will be Sunday March 19th at 1PM at the field and our next gathering will be the Club Awards Banquet on March 4th at the Roma Lodge

JIM'S CORNER

Winter is not leaving us just yet, in spite of a few teasing warm days. We'll get there though.

The annual Club Awards Banquet was held on Saturday, March 4th at the Roma Lodge. From what I could tell, everyone had a good time. Food was hot (a concern from last year) and plentiful. We had lots of deserts from members and their wives.

The 2022 awards were presented to the recipient's. These awards were voted on at the February 19th meeting by written ballot. The winners were:

CRAFTSMANSHIP AWARD	Roger Nickolaus
INSTRUCTORS AWARD	Darrell Hossalla
SPORTSMANSHIP AWARD	Chuck Roberts
GOLDEN PROPELLER AWARD	Roger Nickolaus

There also was a drawing for prizes by club members. Those winners were:

Steve Navone ---	\$ 150
Ron Hayes -----	\$ 100

The combination code to access the padlocks was changed On March 1st, and the new code is found on your new membership card.

No renewal of membership, no new membership card, no new combination code, no continuation of receiving the Newsletter, and no flying at our field!

If you go to our club web site, you will find that our Web Master, Ron Hayes has started putting videos on You Tube, and you can link to them from our Web Site. Nice addition.

If you have already renewed your membership, but have not yet selected your Compost Site assignments, please do so ASAP. Remember, those members who have renewed their membership, but NOT selected their assignment dates will have their dates assigned by the Compost Site Chairman after the opening date of April 5th.

Our next club meeting is on March 19th, at the RC field at 1PM. See you then.
Fly Safe & Have Fun
Jim Litwin
President

Dennys Stuff

Lots of stuff to cover this issue. And, we're covering the Spektrum AR8360T receivers with their AS3X Gyro system.

I've already converted my 10 year old Kantana to this system. Next in line, my TurboBushmaster has it installed, and lastly, I just installed it in my Escapade.

Starting off, some of our RRCC members have purchased the Spektrum nX10 transmitter, along with the nX8 transmitters. For me, I like having the transmitter speaker volume control assigned to the transmitters left side slider rotary knob. Here is how to do that.

***Using the Spektrum roller, go to:
"System Setup", then go to:
"System Settings":
Scroll down to "Next"
Scroll down to "Volume Controls"
Program Analog: to "L Lever"
Set all volume levels to 100%.***

Now, here is how to set up the AS3X Gyro commands.

1. Initialization

First, bind the nX10 transmitter to the

AR8360T (Or similar receiver with the AS3X Gyro function)

First setup all servo functions

- 1. All surfaces***
- 2. Directions***
- 3. Triple Rates***
- 4. Expo***
- 5. Sub trims***
- 6. Verify Everything***

Next, Now, when you scroll down the nX10 transmitter functions with the roller bar, you have a new function called "Forward Programming" Use this "Forward Programming" to set up the Gyro Functions.

First, you need to factory reset the AS3X Gyro functions: (Just in case)

Go to "Forward Programming"

Click on "Other Settings"

Click on "Factory Reset"

Next, you assign the switch used to control the Gyro functions:

Go to "System Setup"

Go to "F-Mode Setup"

Set "Switch #1" to "G" or the switch of your preference.

Go back to “Spoken Flight Mode”

“Flight Mode #1” select “Normal”

“Flight Mode #2”, Select “R Knob”

“Flight Mode #3, Select “Land”

(There is a very wide variation of vocal commands available to describe your various Flight Mode commands.)

Go to “System Setup”

Go to “Channel Assign”

Aux 3 set to “G”

Aux 5 set to “R-Knob”

These commands set up the nX10 transmitter gyro functions to be commanded by switch “G”, with the Gyro variable gain assigned to the right hand knob of your transmitter.

Next, go to “Forward Programming”

Do “First Time Setup”

Go to “F-Mode”

Flight Mode #1 “Inh” (No Gyro)

Flight Mode #2 “Act” (Gyro Active)

Flight Mode #3, “Act” (Gyro Active)

Go to “AS3X Flight Modes”

Set “Aux3” “G”

Set “Aux5” “RKnob”

Go to “AS3X Gains”

Gain Sensitivity “4X” (For Test Only!!)

Set back to 1X for flying Or 2X for Foamies)

Fixed/Adjustable Gain

Flight Mode #1, Blank (Flip Switch G)

Flight Mode #2, “Roll, Pitch, Yaw, Adjustable” (Control gain by Right Knob)

**Flight Mode #3, “Roll, Pitch, Yaw”
“Fixed Gain” (The individual fixed gains are adjustable in the menu of the transmitter.)**

FYI, you can position the receiver in different positions, but I prefer the simple laying the receiver on its back, with the antennas facing toward the front of the airplane.

I’ve not set this up, but the same AS3X functions include limiting the amount of roll on your model so you can’t accidentally roll it upside down (For the new pilots)

It also includes a “Panic Button” where using this command automatically places your model right side up and flying normally.

The Gyro in the AR8360T includes “6 Axis” and keeps track of a bunch of stuff. Including the fact that doing a simple loop in my old Kantana model resulted in the model pulling a maximum of 5.8G’s.

It takes longer to describe setting up the Gyro functions on this setup than actually do it. And, all Gyro functions are set up via the transmitter, ie, no computer is required or used in the setup.

Added notes, be sure to allow easy access to your receiver during the setup procedure. One of the requirements of the setting up the Gyro includes “standing the model on its nose”. Much easier to hold the receiver on its “Nose” rather than the whole model!

I’ve put this whole process into a PDF document that will be included with the mass emailing of this newsletter.

Just about everyone in this club is aware that your newsletter Editor has been using a “3D Printer” now for several years.

And, I’ve got countless cad drawings of 3D printed objects that have been used for my many many electronics projects, along with even more stuff for our RC club members.

That 3D printer has gotten a lot of use. I

should have designed and built an "Hour Meter" for it!

Here is a photograph of the AS3X installation into my Escapade model airplane.

Yup, it looks exactly like a normal receiver installation without a Aura Gyro added.

With the exception of that "Little Black Box" in the center of the photograph.

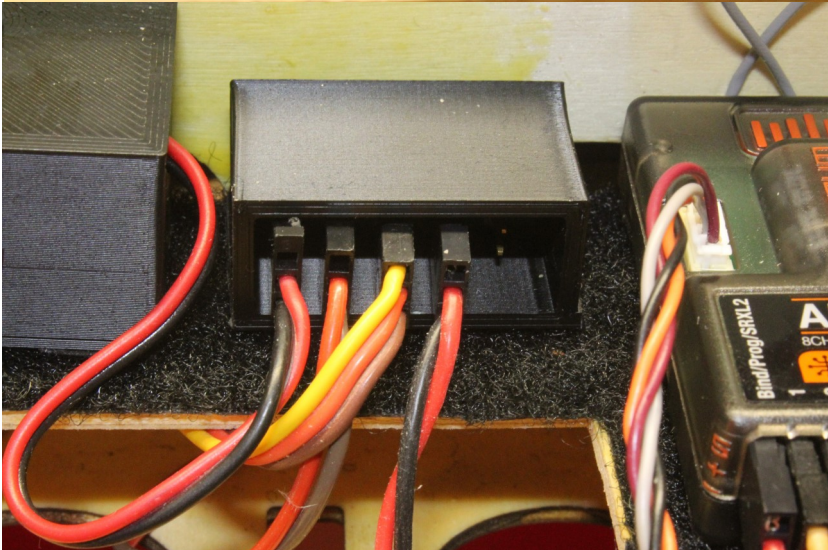
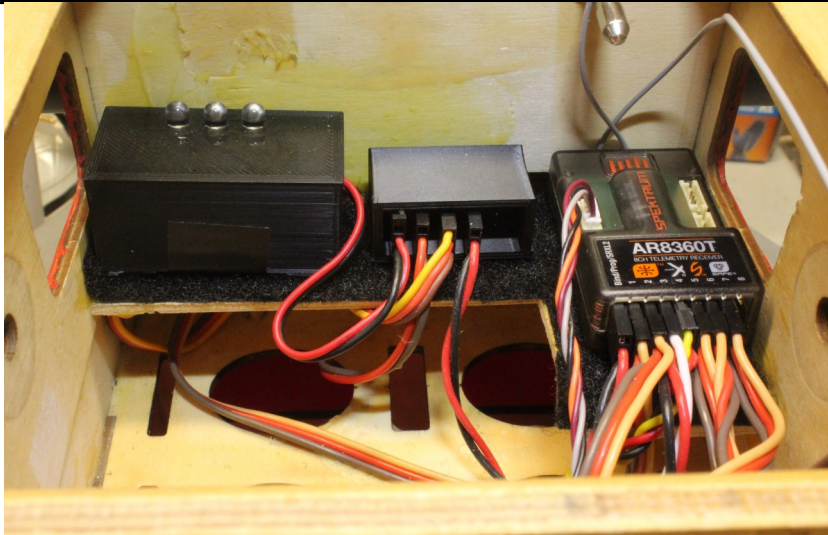
This model includes the standard ESC BEC, backup A123 battery, my Flight Counter and Undervoltage alarm with the three LED's on the left of the photos.

And, I ran out of power connectors on the receiver, so out comes the 3D printer, along with several gold plated pin connectors that are parallel connected. This save making a bunch of "Y" harnesses, and IMHO, a much neater appearing setup.

For those running those vibrating monsters up front, it would be easy for me to design a cover for this Junction Box to prevent the servo lead wires from ever falling out while in flight.

See me after the meeting if you're interested in a few of these Junction Boxes. They can easily be built up in one, two, five or more parallel connections.

Also, for those flying those noisy models with the fuel overflow lines hanging out of the bottom of your models, I built a bunch of these 3D printed gadgets for Hoss on his models. It does look a bit



better than a hose dangling out of the bottom of your model!

DennyV
RRCC Editor







From the Desk of the Compost Director Members) All members will stand 6 hours total time. We Fellow flyers, March is moving have broken each Wednesday in- along and it will not take long to three two hour watches. If before April will be here. We you are new and not signed up, have thirty days before the first please email me at day of watching the compost charles.roberts1@comcast.net pile. This is a requirement so we Chuck can keep the field. (For New



Buzz,
thanks for
the Photos

COMPOST SCHEDULE 2023

Date	Time	Name(1)	Name(2)	Substi-	Date	Time	Name(1)	Name(2)	Substitute
04/05/23	12-2	Darrel (Hoss) Hos-salla	Ronald Hayes		08/09/23	12-2	Terry Peterson		
04/05/23	2-4	Darrel (Hoss) Hos-salla	Ronald Hayes		08/09/23	2-4	Wayne Greisen		
04/05/23	4-6	Justin Francisco	Ronald Hayes		08/09/23	4-6	Douglas Karge	Roman Kirykowicz	Helmut S
04/12/23	12-2	Roger Nickolaus	Mark Dillard		08/16/23	12-2	Matthew Holl		
04/12/23	2-4	Roger Nickolaus	Mark Dillard		08/16/23	2-4	Matthew Holl		
04/12/23	4-6	Justin Francisco	Mark Dillard		08/16/23	4-6	Matthew Holl		
04/19/23	12-2	Roger Nickolaus			08/23/23	12-2	Terry Peterson		
04/19/23	2-4	Darrel (Hoss) Hos-salla			08/23/23	2-4	Wayne Greisen		
04/19/23	4-6	Jerry Rose			08/23/23	4-6	Chris Stein		
04/26/23	12-2	Trygve Smalley			08/30/23	12-2	Chris Stein		
04/26/23	2-4	Jim Smith			08/30/23	2-4	Wayne Greisen		
04/26/23	4-6	Jerry Rose	Cal Thomas		08/30/23	4-6	Chris Stein		
05/03/23	12-2	Arland Matson			09/06/23	12-2	Bob Johnson		
05/03/23	2-4	Rich Smentek	Cal Thomas		09/06/23	2-4	Bob Johnson		
05/03/23	4-6	Jerry Rose			09/06/23	4-6	Gary Bokowy		
05/10/23	12-2	Chuck Roberts			09/13/23	12-2	Bob Johnson		
05/10/23	2-4	Chuck Roberts			09/13/23	2-4	James Houtsinger		
05/10/23	4-6	Trygve Smalley			09/13/23	4-6	Chuck Roberts		
05/17/23	12-2	Dennis Krzyzanek			09/20/23	12-2	Bill Flannery	Kenneth Dalton	
05/17/23	2-4	Dennis Vollrath	Cal Thomas		09/20/23	2-4	Bill Flannery	Kenneth Dalton	
05/17/23	4-6	Arland Matson			09/20/23	4-6	Bill Flannery	Kenneth Dalton	
05/24/23	12-2	Steve Knackert			09/27/23	12-2	Jim Litwin		
05/24/23	2-4	Dennis Vollrath			09/27/23	2-4	Jim Litwin		
05/24/23	4-6	Justin Francisco			09/27/23	4-6	Jim Litwin		
05/31/23	12-2	Steve Knackert			10/04/23	12-2	Douglas Karge		
05/31/23	2-4	Dennis Vollrath			10/04/23	2-4	James Houtsinger		
05/31/23	4-6	Trygve Smalley			10/04/23	4-6	Douglas Karge	Roman Kirykowicz	Helmut S
06/07/23	12-2	Steve Knackert			10/11/23	12-2	James Martinich		
06/07/23	2-4	Jim Smith			10/11/23	2-4	James Houtsinger	James Martinich	
06/07/23	4-6	Eric Armantrout			10/11/23	4-6	James Martinich	Roman Kirykowicz	Helmut S
06/14/23	12-2	William Bylsma			10/18/23	12-2	Richard Stapleton	Charles Brzezicki	
06/14/23	2-4	Ray Fisher			10/18/23	2-4	Richard Stapleton	Charles Brzezicki	
06/14/23	4-6	Ray Fisher			10/18/23	4-6	Richard Stapleton	Charles Brzezicki	
06/21/23	12-2	Jason Fisher		Steve K	10/25/23	12-2	Buzz Paricka	Michael Stein	
06/21/23	2-4	Rich Smentek			10/25/23	2-4	Buzz Paricka	Michael Stein	
06/21/23	4-6	Merv Tridle			10/25/23	4-6	Eric Armantrout	Michael Stein	
06/28/23	12-2	Jason Fisher		Steve K	11/01/23	12-2	Carl Bergquist		
06/28/23	2-4	Jim Smith			11/01/23	2-4	Edward Jenkins		
06/28/23	4-6	Arland Matson			11/01/23	4-6	Edward Jenkins		
07/05/23	12-2	Jason Fisher		Steve K	11/08/23	12-2	Carl Bergquist		
07/05/23	2-4	Ray Fisher			11/08/23	2-4	Jeffrey Lee	John Boticki	
07/05/23	4-6	Ray Fisher			11/08/23	4-6	James Strelitzer		
07/12/23	12-2	James Martinich			11/15/23	12-2	Carl Bergquist		
07/12/23	2-4	Rich Smentek			11/15/23	2-4	Edward Jenkins		
07/12/23	4-6	Merv Tridle			11/15/23	4-6	James Strelitzer		
07/19/23	12-2	Merv Tridle			11/22/23	12-2	Buzz Paricka		
07/19/23	2-4	William Bylsma			11/22/23	2-4	Jeffrey Lee	John Boticki	
07/19/23	4-6	Gary Bokowy			11/22/23	4-6	James Strelitzer		
07/26/23	12-2	Terry Peterson			11/29/23	12-2	Steven Navone		
07/26/23	2-4	William Bylsma			11/29/23	2-4	Steven Navone		
07/26/23	4-6	Gary Bokowy			11/29/23	4-6	Steven Navone		
08/02/23	12-2	Dennis Krzyzanek							
08/02/23	2-4	Dennis Krzyzanek							
08/02/23	4-6	Eric Armantrout							