



THE FLIGHTLINE



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

RRCC October Issue
October 16, 2022 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

"Hoss" Hossalla
414-651-0968
field@racinerclub.com

Safety Officer

Dan Pozel
262-939-0548
safety@racinerclub.com

Tractor Chairman

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

Compost Director

Jerry Rose
262-498-2816
compost@racinerclub.com

Webmaster

Justin Francisco
414-484-4574
web@racinerclub.com

Newsletter Editor

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

Racine R/C Club Meeting Minutes

September 18, 2022

Time: 1:00 PM

Location: R/C Flying Field

Open Meeting - Jim opened the meeting at 1:00PM. 23 members present.

Welcome - New Members & Guests - No guests. This meeting was also used to host our annual Fun Fly and we had a great turnout of pilots from other regional clubs.

Minutes - Last Meeting - There were no changes to the minutes from the last meeting.

Reports

President- The latest AMA Magazine has an article about the delayed registration of AMA flying sites with the FAA. It appears the AMA will try and register all of us. Maybe September/October time frame.

Vice President- Roger Nickolaus had nothing new to report.

Secretary/Treasurer-Bob Johnson

Current membership as of the May meeting.

Senior Members	41
Open Members	18
Junior Members	6
Total	65

The General Fund-Continues to be healthy. We are well positioned to deal with any expenses (planned or otherwise) for the balance of 2022.

Newsletter Editor-Dennis Vollrath had nothing new to report.

Field Chairman- Hoss thanked Jim Litwin for mowing and Ron Hayes for weed trimming.

Tractor Chairman- Eric Armantrout was unable to

attend.

Web Master-Justin Francisco is making a few changes to our Facebook page (adding a business page). Otherwise all is good with our webpage.

Safety Officer-Dan Pozel was not present. No known safety issues to discuss.

Compost Director-Jerry Rose was unable to attend.

Old Business- Nothing to discuss.

New Business – This is the time of year that members can attempt to make changes to our Bylaws and Field Rules. Our Bylaws are contained in the Club Handbook which can be found on our website. The Bylaws determine how the club functions, voting, type of memberships, how we operate and who does what.

The Field rules can also be found in the club handbook and posted on the north side of the club shelter. It details how we are to conduct ourselves during our flying time and on the ground when not actively flying.

The Bylaws and Field Rules can be changed once per year by membership vote. Any and all changes must be published in two (2) newsletters prior to voting. To accomplish this any member may submit a proposed change in writing to the club Secretary by noon on October 1st.

In accordance with the Bylaws, the president will call a meeting of the officers to discuss the proposed changes and also may submit its own proposed changes. All submitted proposed changes must be in writing as you want the language to appear. A vote will be taken on what was submitted exactly as it was written. When submitting a proposed change be sure to review the entire subject matter to insure there are no conflicts with other rules or provisions.

The proposed changes will be voted on at the November club meeting after they have been published in the October/

November newsletter. As of this writing there have been no proposed changes submitted.

This is also the time of year we prepare for club officer elections.

President-Jim Litwin will not run for reelection and is stepping down after 16 years as President and 25 years as an officer. The position is open for all candidates. Justin Francisco has voiced his interest as a candidate for president.

Vice President-Roger Nickolaus will stand for reelection.

Secretary/Treasurer-Bob Johnson will stand for reelection.

Safety Officer-Dan Pozel has indicated he will not stand for reelection and is stepping down. The position is open. Darrel Hossalla has voiced his interest as a candidate for Safety Officer.

Field Chairman-Darrel Hossalla has indicated he will not stand for reelection and is stepping down. Position will be open. Trygve Smalley has voiced his interest as a candidate for Field Chairman.

Newsletter Editor-Dennis Vollrath has indicated he will stand for reelection.

Compost Director-Jerry Rose has indicated he will not stand for reelection. Position will be open. Chuck Roberts has voiced his interest as a candidate for Compost Director. Jerry will be available to advise the new director with questions they may have on the startup before the first meeting in January.

Web Master-Justin Francisco has indicated he will not stand for reelection. Position will be open. Ron Hayes has voiced is interest as a candidate for Web Master.

This is only the status of incumbent officers. Anyone can run for any of the above offices. Names can be submitted by nomination on the day of voting. Submitting your interest in an officer position early helps the membership decide who they want to vote for rather than sponta-

neous reaction to a last minute nomination.

The RRCC club strongly encourages anyone contemplating running for one of the open positions to review the duties of that position as described in the Bylaws. There will be a new president and he may very well call for a change in the way things have been done based on the published job descriptions.

You can contact Jim Litwin anytime and he will include your name as a nominee on the written ballot used for these elections and the newsletter posting.

NOTE: The Compost Director **MUST** be filled by an active member. If we do not have someone coordinating the compost site staffing the Racine RC Club will not have a flying site in 2023! It's that simple.

JIM'S CORNER

I always make a few comments about the weather, and all I can say is that lately the weather has been fantastic. Nice temperatures, lots of days and evenings with lower winds and minimal rain.

The shelter sides are up so we are ready for winter. There's been some indication in the 2023 Almanac that this winter is supposed to be more severe with more snow and colder. Nah, they are never right!

On the business side, there were NO submissions for By-Law changes nor Field Rule changes, so I assume everybody is reasonably satisfied with how things are.

At the last meeting I announced that I was not running for club President again after 16 years. Darrell Hossalla indicated that he was not running for Field Chairman, and Jerry Rose sent a note indicating he was stepping down as Compost director. Dan Pozel notified us that he was not running for Safety Officer. Honestly this amount of change can jeopardize a club. When opened up for discussion, the membership really stepped up

Ray Fisher proposed a defibrillator to be purchased by the club and available at the field in the case of an emergency. This will be discussed further at the October meeting.

New Pilots – None

Show & Tell – There was a selection of airplane kits donated by a family in Racine. The kits are free to any member. First come first serve.

Raffle Drawing – Ray Fisher won the raffle this month. (\$34.00)

Close Meeting – Jim closed the meeting with a reminder the next club meeting will be Sunday October 16th at 1PM at the field.

immediately with members indicating their willingness to be a candidate. At this time our slate of officers is as follows:

President ...	Justin Francisco
Vice President	Roger Nickolaus
Secretary/Treasurer	Bob Johnson
Newsletter Editor ...	Dennis Vollrath
Tractor Chairman ...	Eric Armantrout
Field Chairman.....	Trygve Smalley
Safety Officer	Darrell Hossalla
Webmaster	Ron Hayes

Please note even though each officer position has a candidate, this does not preclude someone else from submitting their name for consideration. If you have any interest in running for one of the above positions, please let me know and your name will be added to the list. Nominations can still be made on the day of voting at the November club meeting.

As a side note, I overheard a comment from a new member who was impressed how members stepped up to fill vacancies so quickly. Quite unusual in clubs, and we should take it as a compliment. In this past week I assisted a club mem-

ber whose plane went down in the corn field to the west of our flying field. If you find yourself in this position, PLEASE remember to take the flag and someone else with you on a cell phone communicating with people who spotted the plane going down. The corn is planted in VERY narrow rows, and the stalks are very close together. Not easy to walk around, and when you do find the plane, it really helps if someone is breaking a path for you to carry the plane out. You will need help. You can't carry the flag so others can guide you, talk on a phone for directions, and then carry a plane all at the same time.

Hopefully you have seen the email / text message about the night flying. Quite enjoyable and colorful. It really is fun.

On a personal note, many of you have noticed that I have not been flying this summer. As many of the senior mem-

bers know, we all get cataracts in our eyes, and ultimately they need to be removed. Mine caused me to lose a giant plane this spring, so I held off any further attempts at flying and progressed thru the process of eye exams and cataract removals. Mine took more time get worked out because I elected to have optional corrective Ocular lens placed in my eyes. This is supposed to correct my close and far away vision, (no more bifocal glasses) but takes time for the brain to adjust. I'm getting there. Just too short of a summer flying season.

Our next meeting is on Sunday, October 16th at 1 PM at the field. Hope to see you then.

Fly Safe & Have Fun
Jim Litwin
President

DENNYS STUFF

Well now!

Your editor has covered a lot of the terms involved with the electrical items such as voltage, current, resistance and so on.

These items are kind of vague as just how they are measured in the real world.

As it turns out, one can easily measure most of them with the use of what's called a digital multimeter. There is a wide variety of these meters available. I've got many of them in my collection over the past many decades.

The meters in my collection start off with a half dozen of those el-cheapo Harbor Freight meters that run around \$6.00 or so. This meter is accurate to around plus or minus 1%. That is more accurate than the analog meters I used 50 years ago. And, those analog meters ran many hundreds of dollars back then.

Now days, I've also got a couple of the top of the line Fluke 87V meters that run around \$400.00 each. This meter is accurate to 0.05%, and is designed for heavy duty use. It's also far more than the average modeler will ever need for our RC hobby.

But, I also have an excellent meter supplied by Harbor Freight. It is their SKU # 61593 that runs \$22.89. The Racine Harbor Freight store has them in stock.

There are two photos of this meter on the next page. This meter can measure a wide variety of electrical functions as follows:

1. Voltage AC
2. Voltage DC
3. Electrical Current AC
4. Electrical Current DC
5. Electrical Resistance
6. Frequency
7. Farads ???
8. hFE ????



Right off the bat, we can scratch off the “F” and “hFE” functions. Those are electronic functions. F is a measure of Farads, or the capacity of a capacitor. hFE is the gain of a transistor.

But, we have the temperature probe that allows measuring the cylinder head temperature of a model airplane engine. This is a thermal couple sensor on a 3 foot cable that is very tiny in size.

Next, we have AC Volts with ranges from 2, 20, 200 and 700 Volts AC. This is used to measure the 120 VAC voltage out of an outlet in your home (Or a generator) for example.

The next range is DC Voltage. This function measures DC voltages typically

found on batteries. As an example, a single Alkaline flashlight cell will measure 1.614 Volts DC, right out of the box. That voltage will slowly drop as the battery gets slowly run down before it's dead, at around 1.2 Volts DC or so. Also, a new 9 Volt battery will measure 9.6 Volts DC.

The 12 Volt battery in your car/truck will measure around 12.5 Volts or so, and will increase to around 14 Volts DC while the engine is running. (If the battery voltage in your car doesn't increase to around 13.8 to around 14.5 VDC with the engine running, you are due for a trip to the auto service department!)

Next, we have that funny horseshoe symbol. It's the symbol for resistance, whose value is measured in Ohms. This function is used to measure a circuit to determine if it's an open circuit, or some varying stages between open circuit to a

dead short.

This function comes in very handy when checking fuses for example. Place the meter switch to the 200 Ohm range, and touch the red and black probes to each end of the fuse. The meter should show very close to zero Ohms for a good fuse.

You can also use this function to check incandescent light bulb filaments. Just touch the two test leads to the two light bulb connections. Depending on the wattage and voltage ratings, the meter will display values from one or two Ohms to several hundred Ohms.

And, no, for technical reasons, you can't use this "Ohms" range to check those 120 Volt LED lights. But, you can use the Diode function of the Ohms range to check an individual LED to see if its good or not.

FYI, it is not a good idea to put your meter away while it is set to the Ohms ranges. Using the meter to check 120 VAC on an Ohms range as an example could damage the meter.

Next, we have frequency, shown as Hz. This is a single range reading from 0 to 20,000 cycles per second. Our home outlets are 60 cycles per second or 60 Hertz. It will show "6" on a house hold outlet.

We skip the "F" capacitor functions.

Next we have the DC and AC Ampere functions. You won't be using the AC Ampere function much.

But the DC Amps can be very useful when setting up the servos of a brand new airplane. Especially when you have multiple servos on a single function such as the rudder, aileron or similar on a giant scale model airplane.

It is very easy to set up this meter to measure the current pulled out of your receiver battery, to power the servos, ignition, and

electric retracts.

All that's needed is an adapter that allows inserting this meter into the receiver battery circuit.

The adapter consists on modifying a standard short servo extension. Cut the brown or black wire in the middle. Then connect a banana jack to each end of the brown wires.

Install this modified cable adapter between the receiver battery and the switch, or between the switch and the receiver itself. (If you have two receiver batteries, do not plug in the second battery)

Plug the two banana plugs into the digital multimeters "Com" and "Unfused 20A Max" inputs. **(Not the 200ma Max function! Servo loads will blow the meters fuse.)**

Now, when you turn on the radio system, the meter will directly display how many Amperes the receiver/servos are pulling. Just push on an aileron for example will allow showing how much the servo current increased, trying to hold that aileron in place. The harder you push, the higher the meter's Ampere reading.

Now, if you have multiple servos on one surface, you can quickly watch on the digital meter whether or not these servos are fighting each other by watching the current they are pulling out of the receiver battery.

This meter can also be used to check the current pulled by electric retracts for example. Those retracts can pull more than a few Amperes.

I'll bring an example of this modified servo extension cable with banana jacks along with the Harbor Freight meter to the next meeting for show and tell.

Denny Vollrath
RRCC Editor.

RACINE RC CLUB 2022 CALENDAR

October 1	Saturday	Noon	Deadline for submission of Proposed Field Rule & By-Law Changes
October 1	Saturday	8:00 AM	Shelter setup
October 16	Sunday	1:00 PM	Club Meeting - Flying Field
Nov13	Sunday	1:00 PM	Club Annual Meeting - Election of Officers; Vote on proposed Field Rule & By-Law changes
Dec 7	Wednesday	12 – 6 PM	Last day Club Compost Duty
Dec 18	Sunday	1:00 PM	Club Meeting - Flying Field – Establish-Membership Dues schedule for next year
Jan 1, 2022	Sunday	9:00 AM	New Year's Day, "First in the Air" Event & Noon lunch (Electric Sunrise - Gas/Glow 9:00 AM)

Compost Duty Roster

09/28/22	2-4	James Houtsinger	Ed Jenkins	
09/28/22	4-6	Arland Matson	Jeff Lee	
10/05/22	12-2	Charles Brzezicki	Kenneth Dalton	
10/05/22	2-4	Charles Brzezicki	Kenneth Dalton	
10/05/22	4-6	Charles Brzezicki	Kenneth Dalton	
10/12/22	12-2	Bruce Napierkowski	Herbert Ludowieg	
10/12/22	2-4	Roger E Olsen	Herbert Ludowieg	
10/12/22	4-6	Ed Jenkins	Herbert Ludowieg	
10/19/22	12-2	Donald Parkinson	Calvin Thomas	
10/19/22	2-4	Donald Parkinson	Calvin Thomas	
10/19/22	4-6	Donald Parkinson		
10/26/22	12-2	Carl Bergquist	Tim Brehm	
10/26/22	2-4	Tim Brehm		
10/26/22	4-6	J Fisher	Tim Brehm	Steve Knackert
11/02/22	12-2	Jim Litwin		
11/02/22	2-4	Jim Litwin		
11/02/22	4-6	Jim Litwin		
11/09/22	12-2	Carl Bergquist	Bruce Napierkowski	
11/09/22	2-4	John Boticki	Calvin Thomas	
11/09/22	4-6	James Strelitzer		
11/16/22	12-2	J Fisher	Ronald Schroeder	Steve Knackert
11/16/22	2-4	John Boticki	Ronald Schroeder	
11/16/22	4-6	James Strelitzer	Ronald Schroeder	
11/23/22	12-2	Carl Bergquist	Roger E Olsen	
11/23/22	2-4	Arland Matson		
11/23/22	4-6	James Strelitzer		
11/30/22	12-2	Ronald Hayes		
11/30/22	2-4	Ronald Hayes		
11/30/22	4-6	Ronald Hayes		
12/07/22	12-2	Steven Navone		
12/07/22	2-4	Steven Navone		
12/07/22	4-6	Steven Navone		