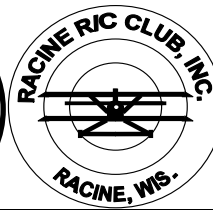




THE FLIGHTLINE



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

RRCC November Issue
January 15, 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

December 18, 2022

Time: 1:00 PM

Location: R/C Flying Field

Open Meeting - Jim opened the meeting at 1:00PM. 25 members were present.

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

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

Reports

President-Jim Litwin- As mentioned last month, the Milwaukee RC Association auction/swap meet is at the Washington County Fairgrounds on Sunday January 29, 2023 from 8:30 to 2:00PM. Copies of the Flyer are in the club newsletter. People who would like to work the event: 2-hour shifts (6:30-8:30) (8:30-10:30) (12:30-2:30).

It was requested that the list of volunteers from a club be sent as a group at the same time. There is free entrance for those who volunteer for a 2-hour shift.

Bob would like to advise the club membership that Jason Fisher and Bob have become AMA Contest Directors. This allows us to certify large aircraft over 55 pounds. Jason can also certify turbine pilots. These updates just gives the RRCC club more flexibility.

As mentioned in the newsletter, I would like to thank those officers for all their work who are stepping down after this meeting and welcome those who have stepped up to be an officer for the coming year.

Don't forget New Years Day. First in the air glider, gas, electric and glow. There are no prizes, just major bragging rights!

The RRCC club learned this past Thursday that a former member, Chuck Kind, died snowmobiling in Montana. He was 87. Some of the details of Chuck was posted in the Racine Journal paper.

Vice President- Roger Nickolaus- Need recommendations as to where to hold the Club's Awards banquet, usually held the first Saturday in March.

Secretary/Treasurer-Bob Johnson
Current membership as of the May meeting.

Senior Members	41
Open Members	18
Junior Members	6
Total Members	65

The 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.

I was contacted by the Fox Valley RC club regarding their Swap Meet at the Kane County, IL Fairgrounds on February 18th, 2023.

I was contacted by Cynthia Beegle of Cal- edonia, WI regarding some old RC planes that she wanted to find a home for. The planes were not something our membership would be interested in so I told her we need to take a pass.

Newsletter Editor-Dennis Vollrath had nothing new to report.

Field Chairman- Hoss reported a food

list will be pasted around for members to sign up what they intend to bring to the New Year's day party.

Tractor Chairman- Eric Armantrout fixed the generator that Hoss broke. Ha Ha.

Web Master-Justin Francisco had nothing new to report.

Safety Officer-Dan Pozel had nothing new to report.

Compost Director- Jerry Rose met with Chuck Roberts reviewing the compost sing up sheet which will be coming out at the next meeting.

Old Business- Nothing to discuss

New Business – Discussion of the setting of the 2023 Membership dues. The recommendation was made to keep the dues the same as they were in 2022:

Annual Regular Member-\$70.00

Family Rate (two adults residing at the same address)-\$80.00

Junior Rate (under 18 years of age)-\$1.00

Senior Rate (65 years old and over)-\$40.00

Non-Flyer Member-\$30.00

A motion was put forward to leave the dues per the above list and approved.

New Pilots – None

Show & Tell –Hoss showed his new EFlight Foamy jet with a 10 pound turbine engine and retracts with brakes.

Denny showed his servo test/adjust meter which cycles a servo under load to ensure there are no failures.

Raffle Drawing – Bill Flannery won the raffle (\$26.00 total, \$13.00 goes to the winner)

Close Meeting – Jim closed the meeting with a reminder the next club meeting will be Sunday January 15th at 1PM at the field.

JIM'S CORNER

I usually start out by commenting on the weather, and I have to say, for early January it's really not bad. We have only a small trace of snow with the temperatures quite nice.

That all played into our "First In The Air" event that took place on New Year's Day. Hoss was first with an electric, and he & Roger Nickolaus tied for the gas engine category. There Were No glow airplanes!

As usual, Hoss did a great job setting up and overseeing the New Year's Day festivities. There was plenty of food, warm in the club house, and a lot of great visiting. Thanks to everyone who attended - and - the food was great.

As a reminder, the Milwaukee RC Association SWAP Meet & Auction is this month on Sunday, January 29th at the Washington County Fairgrounds.

Please contact Hoss if you would like to volunteer for 2 hours and get free entrance to the event.

Bob Johnson, our Secretary / Treasurer, will be available at our upcoming meeting at the field on January 15th for you to pay you membership dues.

As I listened so some of the discussions, it seems Santa was good to some of our members with new airplanes. Wonder how he got them down the chimney?

In this winter season we have a sort of down time, with not too much going on. We will be discussing the upcoming Awards banquet and voting on the winners, but that will be next month. Until then, stay warm and safe.

Fly Safe & Have Fun
Jim Litwin
President

Dennys Stuff

I got a few things to cover this month. First, a few of the RRCC club members have decided to build up their own servo extensions. One reason is to guarantee quality of the servo extensions. Some of those purchased servo extensions have very poor crimping jobs on the terminals used.

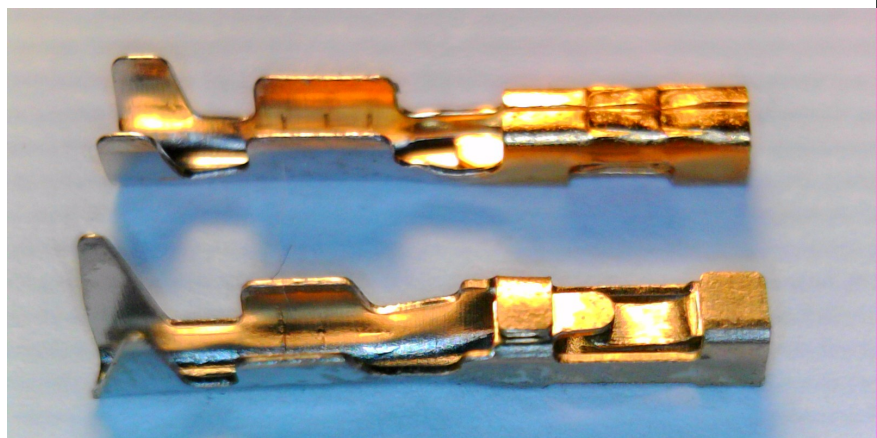
I've been using the terminals from Maxx Products for years. These terminals are of very good quality, and go for about \$1.30 for each end of the servo extension.

This can add up a bit in cost if you buy a volume purchase. My

last Maxx Products order was some \$85.00.

So, I decided to try one of the Servo Extension kits from Amazon. Amazons price was only \$8.00 for 10 Male and 10 Female connectors.

Take a look at photos I took of the Amazon connector pins versus the MaxProd-



The top photo is the Maxx Products line, the bottom photo is the Amazon product. I checked contact resistance on both connectors. Both measured around 6.5 MilliOhms, a very low value indeed.

But for servo extensions buried inside the fuselage of a model for years, you pretty much need gold plated contacts. The gold plating on the Amazon pins is very very thin, if it exists at all.

Unfortunately, I've just checked with the Maxx Products line of servo connector kits I've been using for many years.

Maxx Products stopped carrying packages of individual male and female connector kits, and now only sell one package of 3 male and 3 female connectors.

Dang, IMHO, Maxx Products had the best line of servo connector kits on the market. That leaves the Amazon kits along with some of the other large suppliers of model airplane parts and supplies.

Seems no one is selling these kits anymore! I've got to chase down other suppliers of these connectors. The results of that search will be posted in the next February newsletter.

I've had questions on those dedicated digital meters that are designed to show the remaining capacity on your electric model airplane LiPo battery packs. FYI, the voltage on these LiPo packs is directly related to the remaining charge on those packs. The following voltage readings show how it works.

Voltage	Percent charge remaining
4.00	84%
3.90	63%
3.80	43%
3.70	21%

This is a useful bit of information. Those

digital meters that show percent of charge remaining in your pack uses these voltages on each cell to determine how much charge is present in your battery pack.

BUT, THOSE METERS CAN NOT BE USED FOR DETERMINING STATE OF CHARGE IN THE LIFE OR A123 PACKS!

There is no relationship on the state of charge of a LiFe or A123 battery pack versus its voltage level.

The voltage on these two battery pack types starts off at 3.60 Volts right off the charger after a full charge. That voltage slowly drops off over a long period of time to around 3.4 Volts DC, even if the battery just sits on the shelf.

These battery packs then hold that voltage level at around 3.30 Volts DC for the majority of the battery discharge process. Their voltage only changes a percent or two from 80% to 20% state of charge.

This makes any voltage measurement to determine state of charge on these LiFe and A123 cells worthless.

On the other hand, these cells hold their charge for a very long time after being charged. I've found that the A123 cells will have some 95% of their charge left after being left on the shelf for a full year.

The bottom line, **ALWAYS** recharge these A123 or LiFe battery packs after a day of flying. Then, they are ready to go next day, next week, next month, don't matter much. You can always "top them off" if desired before flying after a long layover. Topping off a fully charged A123 pack will only take a minute or two.

Denny Vollrath RRCC editor







**Thanks to Buzz
and Chuck for
the New Years
Day Photos!**





44th ANNUAL

SUNDAY
JANUARY 29th, 2023
MILWAUKEE, WISCONSIN

AUCTION & SWAP SHOP



Sponsored by
MILWAUKEE R/C ASSOCIATION



Chapter #7

ADMISSION: \$5.00 ADULTS
(UNDER 16 FREE)

SWAP SHOP: 8:30-2:00

NO SELLING before 8:30 A.M. no exceptions

AUCTION

Throughout the day

TABLE FEES

All tables are \$20.00 each

Admission \$5.00 per person.

Contact event Coordinator Laurie for table reservations and questions at 414-461-6013 or email register.mrca@gmail.com

FOOD – BEVERAGES – AMPLE PARKING

RAFFLE 50/25/25

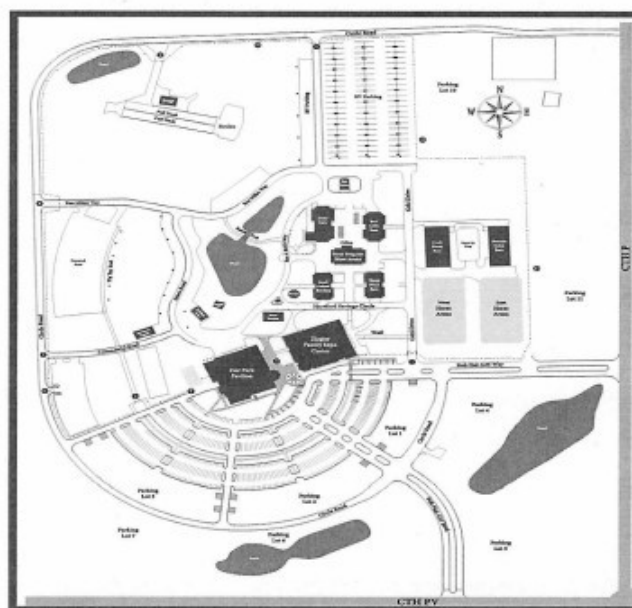
immediately after auction

Visit us on **FACEBOOK@ Milwaukee R/C Association**

MEMBER CLUBS:

ABC R/C; Astro Wings of Wis; Lakeland R/C; Milwaukee Area Radio Kontrol Society (MARKS) Club; Fond Du Lac Aero Modelers Assn.; Flying Electronics, Inc; Pebble Creek Flyers, Inc; Racine R/C Club, Inc; Rainbow Aero Modelers Society (RAMS) Club; Rubicon Area Flyers (RAF) Club; SE Wis. Area Rotary Modelers (SWARM); Sky Ranch Flyers; Watertown Aeromodelers R/C Club.

AFFILIATE CLUBS: Bong Eagles; Circlemasters Flying Club; Model Engine Collectors Associaton (MECA); IPMS, Richard I Bong Chapter.



Washington County Fairgrounds
Pavilion Building
3000 Pleasant Valley Rd
West Bend, WI 53095

***"Bring your Airplanes, Cars,
Trucks, Boats, Parts etc. We
have buyers for all!"***