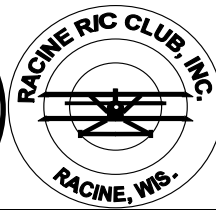




THE FLIGHTLINE



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

RRCC March Issue
March 17, 2024 Newsletter

WE ARE ON THE WEB
www.racinerclub.com

Club Officers

President

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Secretary/Treasurer

Bob Johnson 847-421-5494
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Trygve Smalley
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Safety Officer

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Racine R/C Club Meeting Minutes

February 18, 2024

Time: 1:00 PM

Location: R/C Flying Field

Open Meeting - Jim opened the meeting at 1:00PM. 22 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 had nothing new to report.

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	32
Open Members	8

Junior Members	<u>2</u>
Total	42

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 had nothing new to report.

Safety Officer-Darrell Hossalla had nothing new to report.

Compost Director- Chuck Roberts reported their

are 29 slots left open for the 2024 Compost Duty.

Old Business- Nothing to discuss.

New Business – Voting for club awards took 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).

New Pilots – None

Show & Tell – There was no show and tell for the first time in quite a while. Deny you're slipping!!

Raffle Drawing – Bill Flannery won the raffle and donated \$11.00 to the club for a total of \$25.00. Thanks Bill !!

Close Meeting – Jim closed the meeting with a reminder the next club meeting will be March 17th at 1PM, at the field club house

JIM'S CORNER

It almost seems like spring! Warm days, no snow, and windy! Some flying has been taking place, but from what I have seen, it's the larger more powerful planes.

The awards banquet was another success thanks to Rogers's efforts. At the event we awarded the 2023 club trophy's. The winners were:

Golden Propeller Chuck Roberts
Craftsmanship Jerry Rose
Sportsmanship Jason Fisher
Instructor Jim Litwin

Additionally, Chuck Roberts made several leather dish type holders with the club logo to be used as door prizes. These were won by:

Steve Navone

Roger Nicholas

The big \$200 cash prize, the proceeds of

the monthly club raffles, was won by: Bob Johnson.

A big thank you also goes out to the ladies and Buzz who made the tasty deserts.

I encourage those who have not yet paid their membership dues to do so. The padlock codes are being changed on April 1st, and this will also be your last Newsletter.

This is the time to get your planes and equipment in order. All too often we see people show up with problems, and then trying to do fix's at the field. It's not worth a plane crash.

Our next club meeting is Sunday, March 17th at 1 PM at the field. See you then.
Fly Safe & Have Fun

Jim Litwin
President

Dennys Stuff

Here we go again, it's March! And your editor only used his snowblower once for the whole winter.

Your editors Creality K1 3D printer has been rather busy since purchasing it a month or three ago. I designed and built a simple hour meter for the unit to keep

track of how much time it has while printing. Right now, that hour meter shows a total of 89 Hours, 42 Minutes so far. It has been busy.

As a comparison, that near 90 hours total would have been 4 times that, or 360 hours on my old Creality 6SE printer. What a difference only three years has

made in the abilities of these 3D printers.

Last month, I covered some of my very old radio control equipment. Again, over the past 60 years, transistors have been replaced by integrated circuits.

And, some of those integrated circuits have replaced entire receivers in our model radio control equipment. The current 2.4 GigaHertz radios come to mind.

FYI, the entire 2.4 Ghz transceiver that both receives the transmitter signal **AND** transmits back from the receiver to the transmitter integrated circuit is much smaller than a finger nail in size. And it has a range measured in miles.

And, for those that have an understanding of radio circuits, there are no tuning capacitors, no coils, no inductors, just the single integrated circuit chip that does everything.

Your editor first flew RC models in the early 1960's with the previously mentioned "Galloping Ghost" radio system.

And, one of the guys I worked with had what was called a reed relay type of receiver that even used a single vacuum tube in the receiver.

That old reed relay radio system just had toggle switches for the engine throttle, rudder, elevator and ailerons. The toggle switch had three positions. Center, Full Up, or Full down. Nothing in between. That made for interesting flying back then.

But, it is what we had, and it was unreliable as heck. Like the engine vibration getting into one of the reeds that controlled the control surfaces.

This system operated on one channel of

the Citizens Band frequency of 27 MegaHertz. A few years later, the modeling industry got access to the 72 Mhz radio frequency. That frequency is right about the same frequency as TV channel 4.

We got access to a dozen frequencies that were in between the pagers that were in use many years ago. Those old radios were what is called "Wide Band" frequencies, that resulted in only a few channels available for our RC models.

Back then, the radios were "AM" (Amplitude Modulated) that can be affected by just about anything. Thunderstorms, noisy high voltage power lines, ignition systems come to mind.

(AM transmission varies the transmitted radio signal level from zero to full signal when it is transmitting the transmitter joy stick information)

A very big step forward was what is called "FM", or Frequency Modulation of the transmitter transmitted signal.

Just about everything now days is FM, even the 2.4 Ghz radios we currently use. (Well kind of!) FM slightly varies the transmitted frequency of the radio, rather than the amplitude of the transmitted frequency.

FM was considerably more resistant to interference as compared to the old AM radios.

Next in the process is the transmitters that encoded the FM signals of the transmitters. PCM and a lot of others come to mind.

Next month, I'll cover those 2.4 Ghz radios and how they handle the transmitted signal.

The RRCC 2024 Banquet



2023 Golden Propeller



2023 Craftsmanship Award



Sleepy Jerry Rose

2023 Sportsmanship



Jason Fisher

2023 Instructor Award



Jim Litwin



Date+K2012	Time	Name(1)	Name(2)	Substitute	Date	Time	Name(1)	Name(2)
04/03/24	12-2	Darrel (Hoss) Hossalla			08/07/24	12-2	John Boldt	
04/03/24	2-4	Darrel (Hoss) Hossalla			08/07/24	2-4	8	
04/03/24	4-6	Dennis Krzyzanek			08/07/24	4-6	Ed Jenkins	
04/10/24	12-2	Roger Nickolaus			08/14/24	12-2	Ed Jenkins	
04/10/24	2-4	Roger Nickolaus			08/14/24	2-4	Marv Tridle	
04/10/24	4-6	dennis			08/14/24	4-6	Dan Pozel	
04/17/24	12-2	Roger Nickolaus			08/21/24	12-2	Terry Peterson	
04/17/24	2-4	Darrel (Hoss) Hossalla			08/21/24	2-4	9	
04/17/24	4-6	Dennis Krzyzanek			08/21/24	4-6	Ed Jenkins	
04/24/24	12-2	Trygve Smally			08/28/24	12-2	10	
04/24/24	2-4	Rich Smentek			08/28/24	2-4	Wayne Greisen	
04/24/24	4-6	Dennis Krzyzanek			08/28/24	4-6	11	
05/01/24	12-2	Terry Peterson			09/04/24	12-2	Bob Johnson	
05/01/24	2-4	Rich Smentek			09/04/24	2-4	Marv Tridle	
05/01/24	4-6	Tim Brehm			09/04/24	4-6	12	
05/08/24	12-2	Chuck Roberts	Helmut Schmidtke		09/11/24	12-2	Bob Johnson	
05/08/24	2-4	Chuck Roberts	Helmut Schmidtke		09/11/24	2-4	Wayne Greisen	Bob Johnson
05/08/24	4-6	Chuck Roberts	Helmut Schmidtke		09/11/24	4-6	13	
05/15/24	12-2	Tim Brehm			09/18/24	12-2	14	
05/15/24	2-4	Rich Smentek			09/18/24	2-4	Wayne Greisen	
05/15/24	4-6	Tim Brehm			09/18/24	4-6	Eric Armantrout	Roman Kyrkowiez
05/22/24	12-2	Terry Peterson			09/25/24	12-2	15	
05/22/24	2-4	Jason Fisher		Steve Knackert	09/25/24	2-4	Marv Tridle	Jim Houtsinger
05/22/24	4-6	Trygve Smally			09/25/24	4-6	16	
05/29/24	12-2	Trygve Smally			10/02/24	12-2	Jim Litwin	
05/29/24	2-4	Steve Knackert			10/02/24	2-4	Jim Litwin	Jim Houtsinger
05/29/24	4-6	Justin Francisco			10/02/24	4-6	Jim Litwin	Roman Kyrkowiez
06/05/24	12-2	1			10/09/24	12-2	Rich Stapeton	
06/05/24	2-4	Steve Knackert			10/09/24	2-4	Rich Stapeton	Jim Houtsinger
06/05/24	4-6	Justin Francisco			10/09/24	4-6	Rich Stapeton	
06/12/24	12-2	2			10/16/24	12-2	Bill Fannery	
06/12/24	2-4	Steve Knackert			10/16/24	2-4	Mike Stein	Carl Bergquist
06/12/24	4-6	Justin Francisco			10/16/24	4-6	Eric Armantrout	Roman Kyrkowiez
06/19/24	12-2	Jerry Rose			10/23/24	12-2	Buzz Paricka	
06/19/24	2-4	Ray Fisher			10/23/24	2-4	Buzz Paricka	
06/19/24	4-6	Ray Fisher			10/23/24	4-6	Carl Bergquist	
06/26/24	12-2	Jerry Rose			10/30/24	12-2	Buzz Paricka	Ron Hayes
06/26/24	2-4	Jerry Rose			10/30/24	2-4	Ron Hayes	
06/26/24	4-6	Dan Pozel			10/30/24	4-6	Ron Hayes	
07/03/24	12-2	Jeff Lee			11/06/24	12-2	Mike Stein	
07/03/24	2-4	Jeff Lee			11/06/24	2-4	Mike Stein	
07/03/24	4-6	Jeff Lee			11/06/24	4-6	Eric Armantrout	
07/10/24	12-2	3			11/13/24	12-2	17	
07/10/24	2-4	Ray Fisher			11/13/24	2-4	Carl Bergquist	
07/10/24	4-6	Ray Fisher			11/13/24	4-6	Jim Strelitzer	
07/17/24	12-2	4			11/20/24	12-2	Bill Fannery	
07/17/24	2-4	Jason Fisher		Steve Knackert	11/20/24	2-4	Bill Fannery	
07/17/24	4-6	Dan Pozel			11/20/24	4-6	Jim Strelitzer	
07/24/24	12-2	5			11/27/24	12-2	18	
07/24/24	2-4	John Boldt			11/27/24	2-4	19	
07/24/24	4-6	6			11/27/24	4-6	Jim Strelitzer	
07/31/24	12-2	7			12/04/24	12-2	Steven Navone	
07/31/24	2-4	Jason Fisher		Steve Knackert	12/04/24	2-4	Steven Navone	
07/31/24	4-6	John Boldt			12/04/24	4-6	Steven Navone	

Date+K2012	Time	Name(1)	Name(2)	Substitute
04/03/24	12-2	Darrel (Hoss) Hossalla		
04/03/24	2-4	Darrel (Hoss) Hossalla		
04/03/24	4-6	Dennis Krzyzanek		
04/10/24	12-2	Roger Nickolaus		
04/10/24	2-4	Roger Nickolaus		
04/10/24	4-6	dennis		
04/17/24	12-2	Roger Nickolaus		
04/17/24	2-4	Darrel (Hoss) Hossalla		
04/17/24	4-6	Dennis Krzyzanek		
04/24/24	12-2	Trygve Smally		
04/24/24	2-4	Rich Smentek		
04/24/24	4-6	Dennis Krzyzanek		
05/01/24	12-2	Terry Peterson		
05/01/24	2-4	Rich Smentek		
05/01/24	4-6	Tim Brehm		
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05/08/24	2-4	Chuck Roberts	Helmut Schmidtke	
05/08/24	4-6	Chuck Roberts	Helmut Schmidtke	
05/15/24	12-2	Tim Brehm		
05/15/24	2-4	Rich Smentek		
05/15/24	4-6	Tim Brehm		
05/22/24	12-2	Terry Peterson		
05/22/24	2-4	Jason Fisher		Steve Knackert
05/22/24	4-6	Trygve Smally		
05/29/24	12-2	Trygve Smally		
05/29/24	2-4	Steve Knackert		
05/29/24	4-6	Justin Francisco		
06/05/24	12-2	1		
06/05/24	2-4	Steve Knackert		
06/05/24	4-6	Justin Francisco		
06/12/24	12-2	2		
06/12/24	2-4	Steve Knackert		

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 Boy Scouts
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