



**Milwaukee  
Radio  
Amateurs'  
Club**



*"The ARRL's oldest  
affiliated club"*



# HAMATEUR CHATTER

Edited by Dick Strassburger, N9EEE

2nd Quarter 2021

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## **COVID-19 PRECAUTIONS INFLUENCE CLUB MEETINGS AND ACTIVITIES**

The Board of Directors has placed all in-person club meetings and activities through June on-hold and opting for alternative gatherings through technology such as video conference via zoom or other providers. We are guided by our sensibilities, the Milwaukee County Public Health Department's guidelines and the wishes of our membership. Please watch our e-newsletter, website, Facebook page, and nets for updates on specific activities. Our list of 2021 activities and events are listed below.

Be safe. Stay healthy.

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## **FROM THE PRESIDENT'S SHACK**



I want to thank everyone who participated in this year's election. Tom W9TJP and Dick N9EEE have been reelected to the board for the next 2 years. Gregg KB9E and Ted N9KQQ are our newly elected directors for the next 2 years. I want to thank the outgoing director's Dale AB9DW, Stan KD9AUY, and Barry W9BLS. They were very instrumental in the planning process for the anniversary of our 100 years of affiliation with the ARRL in 2019. We had our board meeting on May 3rd and we got right down to business. As part of the bylaw process, we the directors decide which directors will hold which office.

The club officers for 2021-2022 are as follows:

President: Dave KA9WXN  
Vice President: Dick N9EEE  
Treasurer: Joe N9UX

We still need to select a secretary in an upcoming board meeting. I will remain, president, until my term ends in April 2022; I am not planning on running for re-

election. I plan on being an active member just not serving on the board.

As we continue to move forward navigating COVID-19 we are starting to see a light at the end of the tunnel. With the vaccine rate slowly approaching 40% we are hopeful that by July we should be over 50% or higher of fully vaccinated people. I also hope the rate of positive cases will also drop so we can feel safe having in-person events. We have scheduled our joint picnic and swapfest for August. More details on those events are available in this newsletter. In-person meetings are scheduled to start in September.

Again this year the board decided to not sponsor a group Field Day effort. This was done for several reasons. Our Field Day site was not open to us this year and the normal crew really wasn't interested in a group effort yet. We encourage all of our members to get on the air and operate. Please turn in your log and list Milwaukee Radio Amateurs' Club on your entry. This will go towards the club aggregate score for the listing in QST. Last year some of us who were using N3FJP posted our logs on a section of the club webpage. We could check in on each other and see how we were doing. We also had a Zoom meeting running for 24 hours. This gave us the ability to socialize while being at home. After all, that is an important part of our normal Field Day event. If you would like to activate W9RH please contact Dave WB9BWP.

- Dave KA9WXN

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## **TREASURER'S FINANCIAL REPORT**

Treasurer's Report, as of 4/16/2021

Account Balances

Petty Cash: \$20 (Held by treasurer)

PayPal: \$472

Checking: \$5,760

CD #1: \$5,178

CD #2: \$7,635

Total all accounts: \$19,065

Items of note since our last newsletter:

- In Feb we paid our annual incorporation fee of \$10
- CD #1 was renewed in March for 15 months, CD #2 was renewed in late April
- 2020 FM Simplex Contest winners were mailed certificates at a cost of \$5.20
- Post office box was renewed in March for an interim period of 6 months to allow time for review of less costly alternatives

Respectfully Submitted,  
Joe Schwarz  
N9UX  
MRAC Treasurer

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## **BOARD OF DIRECTORS MEETING MINUTES**

### **1st Quarter + April + May Compilation**

The Board reviewed a website refresh plan from Dick, N9EEE that would freshen the look and feel to reflect current standards in design and user behavior; re-organize and update the content including text and images: add information resources helpful to newly licensed Hams and those aspiring to become licensed; and increase the value of the website with more club news, information, and resources. The Board unanimously approved.

Programming for the upcoming membership meetings as well as the activities and events for 2021 were discussed and approved. Details appear elsewhere in this and the Q1 HamChatter.

The Board reviewed the membership survey conducted by Dick, N9EEE and approved them for presentation at an upcoming membership meeting.

FM Simplex Contest had great participation with lot of new call signs appearing. Results will be posted by May 1.

The Live Auction will be conducted via Zoom. Details were hammered out with all agreeing an auctioneer will handle the bidding process and the seller is responsible for displaying the item via their webcam or a picture. Final transaction will be between the seller and buyer.

The Board reviewed an online nomination and election proposed by Dick, N9EEE. The process utilizes Google Forms embedded within email for distribution to all club members. Google Forms requires a secure access and tabulates results. A schedule for the process was presented allowing ample time for the nomination period and election voting by email. Board approved.

The Board discussed available dates and COVID safety concerns for the Swapfest. The Elks Lodge has an available date of Saturday August 28. It was recognized that indoor vending pace may need to be cut by as much as 50% to afford proper social distancing. An overflow to the back outside parking area is permissible by the Elks Lodge and will be considered during the planning meetings. Other considerations such as timed entry and capacity limits were also deemed necessary in the planning. Board approved to moved forward. ARRL has approved and will sponsor.

The formation of a Membership Committee was presented by Dick, N9EEE. The

purpose is to recruit new members and retain current members. Recruitment will include marketing, engagement, and communicating value. Retention will include refining the process and timeline, including an exit interview of those leaving the club so we better understand faults and opportunities. Launch will occur in March. Board approved.

The formation of a Marketing Committee was presented by Dick, N9EEE. The purpose is to communicate news, events, and activities of the club to its members and prospective members. Also, to reach a broader audience through publicity. Marketing includes e-newsletter, website, social media, and publicity. Launch will occur when Membership Committee is seated and underway. Board approved.

A discussion about low volunteerism within the club raised concern about the ability to accomplish the goals of the committees and meet the needs of events and activities without burning out the few volunteers that do the majority of the work. Different tactics to interest volunteers was discussed. The Board agreed that the most effective may be through personal invitation (one-to-one asking).

Field Day 2021 will resemble Field Day 2020, following the ARRL Rules. It was discussed if those that felt comfortable could organize a safe-distance but group outing. Previous operators were contacted by email and none were interested. Individual stations may participate, submit their logs, and note their club as Milwaukee RAC to roll up with other stations for an aggregate club score. Board approved.

An Elmer program, Hams Helping Hams, was proposed by Dick, N9EEE. Based off the feedback and identified expertise provided in the recent Membership Survey, there are eight (8) members who have offered their expertise for the program. Board Approved.

Ham Radio Bootcamp was proposed by Dick, N9EEE. Based loosely off the article in the October QST of the Nashua Area Radio Society's Ham Bootcamp, our program will be focused on newly licensed Hams toward helping them get on the air - answer the question, "I got my license, now what do I do?" The MRAC program will include VHF operating, HF operating, as well as skills workshops. Dean, KC9REN and Dick have been planning the curriculum, program date, and training site. Board approved.

Ham Radio Outlet has requested ad space in the Q2 Hamateur Chatter to recruit employees - licensed Hams in the area. The Board approved.

Written, compiled, and submitted by Dick Strassburger, N9EEE

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## **ELECTION RESULTS / OFFICERS**

COVID-19 social distancing restrictions sufficiently inhibited the in-person

gathering of members for a traditional nomination and election process. However, the resourcefulness of the Board used online technology as the platform for a secure and seamless process.



Online nominations and election ballots were created and tabulated via Google Forms within the MRAC Google account with restricted access. Each of the forms was embedded within individual emails sent to the membership with 100% deliverability. The nomination forms yielded 4 nominees to the Board. The election forms (ballots) were received and self-tabulated. Of 56 members in the club, 17 cast ballots, which is 30% of the membership. Thank you to all who participated in the election process!

Two incumbent directors were retained on the Board: Tom Pachner, W9TJP, and Dick Strassburger, N9EEE.

Two new directors were elected: Ted Carlson, N9KQQ, and Gregg Sperling, KB9E

The full list of Officers and Directors is shown below.

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## **LIVE AUCTION - MAY MEETING**



### **First MRAC Virtual Auction**

The May membership meeting is traditionally the club auction. Given we aren't meeting in person this year, we moved to a virtual auction via Zoom. At 7:55 pm on May 27, click [HERE](#) to attend our May membership meeting and Live Auction. Here's how the live auction will work:

1. If you wish to offer item(s) for auction, email a description of the item(s) along with its perceived value, to [Joe, N9UX](#). If you have a minimum purchase price ("reserve"), please note that as well.
2. During the auction, be prepared to hold up the item in front of your webcam

while the auctioneer is handling the bidding of the item. If the item is too large or unavailable to show, please include a electronic image when you send in your listing.

3. After the bidding closes, the buyer and seller are responsible for completing the transaction at a mutually agreeable time and place.

The MRAC facilitates this live auction for the amusement of its club members, receives no compensation, and accepts no responsibility.

We hope you enjoy the fun.

Click [HERE](#) to access the Live Auction.

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## **HAMS HELPING HAMS**

When a Ham needs help, who you gonna call?

### **We're Hams Helping Hams™**

Interested in amateur radio but need help getting a license? Contemplating a project but need some advice? Facing a challenge in the ham shack but need an additional perspective? Stuck with a project and need some insight? Been away for a few years and need a jump start?

“Elmers” participate in a rich tradition within the Amateur Radio hobby whereby seasoned, experienced hams offer assistance and share knowledge to newer hams getting their start, licensed hams re-entering the hobby after time away, or budding hams interested in achieving their Technician class license.

Hams Helping Hams™ is a seasoned group of Milwaukee Radio Amateurs' Club members each offering a unique set of skills and expertise for assisting club members. Categories of expertise range from hands-on practical applications to advisory and counseling. We offer this service to our ham community as a give-back and thank you to the Elmers who helped give us our start in this multi-faceted and fascinating radio communications hobby many years ago.

The MRAC's Hams Helping Hams™ program is designed for one-to-one assistance with meetings and dialogue taking place over the phone, via zoom, or in-person, as the need fits and both parties feel comfortable, especially during the COVID wind-down period. Hands-on demonstrations may be best conducted in-person whereas advisory topics may be more immediate via zoom or phone calls. Let your Elmer be your guide during this process.

Your Hams Helping Hams are club members Dean Berglund, Ted Carlson, Dave DeFebo, Pancho Doneis, Dave Schank, Dick Strassburger, and Dale Webler.

The services noted below are available to any member of the Milwaukee Radio Amateurs' Club. Non-members should contact the Membership Committee

regarding benefits or apply online for membership. Milwaukee and Waukesha County area high school students and younger may inquire about Tech Class License assistance without need for membership.

Antenna design	Noise reduction
Antenna raising	Operating skills
Building kits	Public service
Contesting	Em Comms
CW practice	RFI
Digital modes (FT8,etc.)	Satellites
Digital voice (Fusion, etc.)	SSTV/ATV
Direction finding (ADRF)	Station set-up
DXing	Tower raising
Grounding and bonding	Tech Class assistance
Logging software	

When you need help, complete the request form at  
<https://www.w9rh.org/hams-helping-hams/>

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## HAM RADIO BOOTCAMP

**"Now that I've got my license, how do I get on the air?"**

**Ham Radio Bootcamp** from MRAC will answer that most asked question from newly licensed Technician Class and General Class amateur radio operators, on Saturday, October 16, 2021. Ham Radio Bootcamp is a daylong series of training presentations and workshops conducted by MRAC club experts in the training room at Ham Radio Outlet in Milwaukee.

What they'll learn in this daylong session...

Setting up and operating VHF/UHF portable, mobile and base stations  
Setting up and operating HF portable and base stations  
Getting over "mic fright"  
Skills-building workshops  
How to shop for quality radio equipment

Can I help? If you can hold a clipboard. If you can solder a connector. Yes! We need helpers and workshop mentors. Don't be shy. You've got the skills. Help us pay it forward. Contact [N9EEE@ARRL.net](mailto:N9EEE@ARRL.net)



Watch for more information in the August HamChatter, at our summer picnic, and our table at the MRAC & MAARS Swapfest in August.

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## **A VOLUNTEER SPEAKS UP**



I was asked by the Board of the MRAC if I would like to write and submit a few words about volunteering for the news letter. It was a bit of short notice, but I thought I would try and do my best to contribute in a way that I was able to do. So I volunteered to do it, and I hope it helps the club in some way.

I think everyone knows the definition and meaning of the word volunteer. That being said I think, and have thought myself on occasion, that being asked to volunteer was this peer pressured thing, and if you didn't volunteer you would be looked at like an outcast, or feel like you let down those who asked. In fact I have been asked to volunteer to help the club in many ways. What I have learned is first, no one is going to think any less of you if you can't, or don't feel comfortable doing something. Secondly, there are so many ways we can volunteer even in the smallest capacity. You may be able to contribute in doing something that might seem in your mind so minimal that it wouldn't even make a difference, and so you don't.

Things to consider about being asked or wanting to volunteer:

The only limits of volunteering are yours! There are things you can do, can't do, don't feel comfortable doing or are just naturally great at doing. If you are asked to volunteer for something, remember no one is going to feel indifferent if you can't or have any limits or any other reason for not doing so.

I have done things like volunteering my time to be part of a responder program that helped keep a repeater active and provided a time frame during the day when we made sure no call went unanswered. It was fun and helped the club, and it was within my limits to do. I have been in a rotation of net controls for the Saturday Night Fusion Net for six years and counting, again something I can and enjoy doing. I have helped setup equipment for Field Days, which I get less and less able to do now-a-days, but I did it when I was able to. The point I am trying

to make here is there are many ways to volunteer. There are small ways, big ways, imaginative ways, donating time, money, ideas.

When I was asked to write an article for the newsletter about volunteering, I was apprehensive. I volunteer yes in some ways, but haven't done as much as I have gotten older. But I chose to write a few words here because I was asked by the club. I am sure there are many hams out there that could do a much finer job (from personal experience) extolling the virtues of volunteering. Volunteering is what makes the club possible and no task is too small to be unrewarding. Volunteer to volunteer!

Best,

- Robert McGowan, KC9YRR

Thank you Bob, and to all our volunteers who make this club thrive.

There are many ways to volunteer like Bob.

Here are just a few:

Be an Elmer

Be a Net Control (2m, 10m, Fusion)

Help at Ham Radio Bootcamp (room facilitator, workshop mentor, counselor)

Help at the Swapfest (ticket taker, parking lot flag waver, repeater talk-in, vendor liaison, raffle ticket seller)

Membership Committee (hand out flyers, club rep at display table, phone caller, general helper)

Marketing Committee (publicity, social media content, write and distribute flyers, newsletter writing)

Program Committee (identify topics for membership meetings, contact speakers)

So, what interests you?

Contact any Board member and you'll be put to good use. Or  
N9EEE@ARRL.net.

"Volunteer to volunteer."

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## **ACTIVITIES and PROJECTS**

### **2021 ACTIVITIES AND EVENTS CALENDAR**

The MRAC continues to adjust its activities and events calendar for this year in

response to the self-imposed safety limitations from the COVID-19 pandemic.

Please continue to watch this e-newsletter, check the website, follow our Facebook page, and listen to our nets for more information.

MONTH	EVENT/ACTIVITY	DATE	STATUS
January			
February	FM Simplex Contest	Feb 28	On schedule
	<del>Potluck Dinner</del> (Swapfest)		Postponed til Aug 28
March			
April			
May	Auction	May 27	Live via Zoom
	<del>Tailgate Hamfest</del>		
June	Field Day	June 26-27	Individual ops - same as last year
July			
August	Picnic	Aug 14	On schedule
	Swapfest	Aug 28	On schedule
September	HRO Superfest	Sept 25	Tbd
October	Ham Radio Bootcamp	Oct 16	On schedule
	JOTA	Oct 16 - 18	Tbd
November			
December			

#### SAVE THE DATE:

Wisconsin Parks On The Air - Sept 18 (club activation details pending)

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## SUMMER PICNIC

Saturday, August 14, 2021

Greenfield Park - Picnic Area #2 (across from Cool Waters Aquatic Park)  
12:00 pm (Noon) - 4:00 pm-ish

Bring your own food and drinks

Do not bring a dish to share (COVID safety rule)

Charcoal grills, cooking utensils, and bottled drinking water will be provided.

Bring your radio. HF antennas require safety markers.

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## MRAC & MAARS INTERCLUB SWAPFEST

**Saturday, August 28, 2021**

Vendor set-up 6:00 am

Doors open 8:00 am - Noon

Milwaukee Elks Lodge #46

Indoor and Outdoor space available.

Click [HERE](#) to  
**Reserve Your Table TODAY!**

Watch for more details in future [e-newsletters](#), [Facebook](#) page, [our website](#), and club nets.

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**June 26 - 27, 2021**

## **"Same, But Different"**

The MRAC will not be activating Field Day 2021 as an organized outing this year. Out of an abundance of caution, the Board and membership have agreed that club members should individually activate Field Day 2021 themselves and submit their logs to ARRL noting [Milwaukee RAC](#) as their club. The ARRL will aggregate club members' individual scores into an overall club score. While this may seem the same as last year, be aware that ARRL has new rules changes for power limits at home stations during Field Day 2021. So, get creative. Go camping in the back 40 like NX1K did last year with a portable radio and some wire. Or head to a nearby park and set up operations. Just a little planning will make loads of fun.

Real-time logging via N3FJP will be shown on our website. Watch for more information how you can participate. Internet access is required.

A "Zoom social" will be available throughout Field Day. Feel free to drop in and comment what, where, when, and how you're doing. Watch for more information how you can participate. Internet access is required.

Be sure to join us in our June 24 membership meeting for more discussion about how to get the most out of Field Day 2021.

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**FM SIMPLEX CONTEST (2021) RESULTS**

## Sponsored by Milwaukee Radio Amateurs' Club (MRAC)

Congratulations to our 1st Place winners!

Base - AA9RK

Mobile - K9FI, K9WOC (tie)

HT - KC9REN

2M - W9GA

1.25M - N9UX, K9WOC, K9FI (tie)

70cm - W9GA, N9UX (tie)

6M - W9GA, N9UX, AA9RK (tie)

Digital - K9FI, K9WOC (tie)

Club - Milwaukee Radio Amateurs' Club

for more scores go [HERE](#). Thank you to all who participated. See you next year!

Anecdotes from W9RH op Dave Schank (KA9WXN):

The 2021 Simplex Contest was held on Sunday, February 28th. This year we had 18 log submissions from 5 different local clubs. We also had several ties for band awards this year. The Rover team of K9FI and K9WOC did a great job activating grids and keeping the activity level high on all the bands. This year I again operated the club station to hand out bonus points. My normal site for operating the contest was not available so I decided to use the antennas at the repeater site. My setup this year.

### Radios

Yaesu FTM-400

Icom IC-800

Yaesu FTM100D for 6 meters

### Antennas

4 Bay VHF Dipole antenna at 750 feet

8 Bay UHF Dipole antenna at 750 feet

ATAS-120 for 6 meters magnet mount

Diamond Triband antenna for 220 MHz Trunk mount



Photos above: W9RH

Left photo: N9UX rover



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## **ARISS PROJECT UPDATE**

The ARISS Project is alive and continuing its planning despite setbacks from the COVID-19 pandemic which curtailed in-person workshop meetings. Also the biggest issue caused by Covid-19 is the schools are not in a position to consider the ARISS application until the schools return to normal teaching. They have enough problems under the current situation.

Our current status:

The Lindenblad antenna was returned to HRO earlier this month and is in the storage room with all the rest of our materials.

We had a Zoom meeting on April 3 and discussed the current status of project work and items we need. Roger, AC9BT, and Dean, KC9REN, met at HRO on Saturday May 1st for a work and analysis session for the first time since the pandemic began. Of course they wore masks and kept social distances. Work included the Rotator controller interface and making them operational. They also discussed what had to be done with the KLM antennas' polarizing relay boards and coax connections. And reviewed feed points at the pre-amplifiers to decide what coax connections will be needed. Roger is ordering a new circuit board for the 2M antenna. Previous attempts at modifying the circuit board were inhibited by a transmit connection mounting bolt in the middle of the board. Back to the drawing board to fix the error.

To learn more about the ARISS program, visit our web page [HERE](#).

## **MEMBERSHIP NEWS**

### **CONGRATULATIONS - "I PASSED!"**

W9MMO  
Tom Rolfson  
Technician Class

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### **CONGRATULATIONS - NEW MEMBER**

## MEMBERSHIP REFERRAL

Do you know another ham that would benefit from membership in the MRAC? Invite them to become a member and receive a \$5 credit toward your next year's membership fee. They must note your call sign as a referral on the application form. This is intended for new hams or Ops who haven't been an active member in the club for at least 5 years. Offer limited to 4 referrals per person/family membership per year. Help us grow our club.

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## Did You Know?



Digital data modes are just as popular as HF phone? True. The WSJT suite along with RTTY and PSK31 modes are operated just as regularly as SSB or AM on the HF bands.

(source: MRAC Membership Survey, November 2020 - February 2021)

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## HOW YOU CAN PARTICIPATE IN CLUB HISTORY

Our club historian, Dave DeFebo, WB9BWP, maintains an extensive club history chronicling the 100+ years the MRAC has been a club with facts, pictures, and videos. While we have many documents of club business and activities, we have let a number of individual member's stories slip away. In an effort to change that for the future, we are starting a sub-project for the historical archives, that of individual member interviews. We see at least three different aspects to the project. One is a video interview conducted by someone asking the questions. Two could be a "self-interview" where a member produces their own video of themselves answering some questions. A third possibility is written comments based on a set of questions. Those comments would be compiled into one or more chapters of the MRAC History book. Everyone is welcome to participate. Here are the basic questions:

- 1 How did you get started in amateur radio?
2. How did you find/get started with MRAC?



3. How has amateur radio affected your personal life?
4. Did amateur radio have any effect on your professional life?
5. What is your most memorable amateur radio story?
6. Do you have any memorable MRAC stories?
7. What's next for you in amateur radio?

If you have any questions about this project, or how to provide your finished video, contact Dave at WB9BWP@ARRL.net.

There may be group video sessions such as at the summer picnic and swapfest, so watch for that info. Thanks for your help in this project.

- Dave, WB9BWP.



Zoom presentations are now uploaded to our YouTube channel, featuring:

- SSTV & ISS w/ Dean Berglund, KC9REN
- WIRES-X w/ John Kruk, N9UPC, Yaesu Nat'l Sales Manager
- Revealing the MRAC Repeater w/ Dave Schank, KA9WXN, MRAC Pres and Repeater Tech Guy (work in progress)

Watch a video, give us a "thumbs up," and subscribe to our YouTube channel to be alerted to new uploads. **Click on the logo above to access our videos.**

Soon, you will also access our YouTube channel from our website.

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## MRAC VEC TESTING

Next Test Date: May 29, 2021

### MRAC VEC, INC.

The MRAC VEC is the local point for amateur radio license testing with exam sessions on the last Saturday of the month, by reservation only. The MRAC



VEC is now accepting reservations for the May 29, 2021 test session. Due to the ongoing pandemic, only 10 reservations will be accepted for this exam session. Please email [tczaja@tcsprime.com](mailto:tczaja@tcsprime.com) to request a reservation.

When requesting a reservation for an exam session, please include:

- Your name
- Call sign (or FRN number if you don't have an amateur radio license - call sign)
- Email address
- Phone number
- Which test you wish to take (Technician, General or Extra)

Due to COVID restrictions, candidates are limited to one test per exam session. Please make sure you bring your own pencils, pens, and calculator if needed (please clear memories prior to the exam session). Cell phones may not be used as a calculator. If you are testing to upgrade your amateur radio license, please bring a copy of your current license. All candidates are required to wear a mask while inside the facility. Visitors must wait outside.

For more information about testing requirements and other useful information, visit their website, [mracvec.org](http://mracvec.org).

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## OFFICERS and DIRECTORS

### Officers

President: Dave Schank, KA9WXN  
Vice President: Dick Strassburger, N9EEE  
Secretary: tbd  
Treasurer: Joe Schwarz, N9UX

### Directors

Dean Berglund, KC9REN  
Ted Carlson, N9KQQ  
Tom Pachner, W9TJP  
Gregg Sperling: KB9E

### Trustee

Dave De Febo, WB9BWP

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## MEETINGS AND NETS

NOTICE: At present, no in-person meetings or activities have been planned in

the first half of the year due to guidelines restricting group size and social distancing due to the current pandemic.

## MEETINGS

...are held the last Thursday of every month, except when holidays conflict. During the pandemic, we are offering a hybrid of a formal meeting and check-in at 7:00 pm on the club repeater, followed at 8:00 pm via zoom with a social program and occasional formal presentation.

### Meeting Dates:

May 27, 2021: Live Auction

June 24, 2021: Field Day 2021 Covid-style

July 29, 2021: Parks On The Air

August, 2021: (no meeting) See you at the picnic

## NETS

FM 2m Repeater: Fridays, 9:00 pm CT

10m SSB 28.490 MHz: Fridays, 8:00 pm CT

Fusion 2m Repeater: Saturdays, 7:00 pm CT

Fusion 2m Repeater: MNWIS Mondays, 7:00 pm CT

## REPEATER

145.390 MHz, -600 kHz, CTCSS 127.3 Hz

FM and C4FM (Fusion) modes - Auto Mode Select

WIRES-X connected: Node ID: 33588 Room ID:43588

For more information about our repeater system, click [HERE](#).

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## ANNOUNCEMENT



## NOW HIRING EXPERIENCED AMATEUR RADIO OPERATORS

Love talking ham radio?

Want access to special employee deals?

Spouse want you out of the house for a few hours?

HRO Milwaukee is looking for amateur radio operators to work in the sales department.

Sales duties include:

- telephone sales
- counter sales
- picking orders
- stocking shelves

Contact Tom, W9TJP, for more information

Phone: 414.358.0333

Email: [milwaukee@hamradio.com](mailto:milwaukee@hamradio.com)

(Note: The above employment ad is a public service announcement provided by the Milwaukee Radio Amateurs' Club to aid amateur radio operators seeking employment. The MRAC extends this courtesy until August 1, 2021 to any bonafide amateur radio-related business requiring staffing in the local area.)

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## CONTACT INFORMATION

EMAIL: [w9rh@arrl.net](mailto:w9rh@arrl.net)

WEBSITE: [W9RH.org](http://W9RH.org)

FACEBOOK: [facebook.com/MRAC.W9RH](https://facebook.com/MRAC.W9RH)



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**Our mailing address is:**

P.O. Box 26233

Milwaukee, WI 53226

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