



**Milwaukee
Radio
Amateurs'
Club**



*"The ARRL's oldest
affiliated club"*



HAMATEUR CHATTER

Editor: Dick Strassburger, N9EEE
Proofreader: Ted Carlson, N9KQQ

1st Quarter 2023

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MEMBER MEETING NOTICE

Saturday, February 18, 2023
10:00 am - 11:30 am

Program: Winlink: what is it, how does it work
Speaker: Mike Johnson, WO9B

Ham Radio Outlet Training Room
Zoom is available. Web [LINK](#)

FROM THE PRESIDENT'S SHACK



Greetings!

Cycle 25 is alive!!! If you haven't snagged at least one DX station by now, you haven't turned your radio on. My measure of the health of the bands is how well my QRP signal is heard. Granted, there is a fair amount of strategy during the CW exchanges where my signal can be heard and not get caught up in the pile-up melee. But snagging W1AW/KH6 away from the banshee-like callback to his CQ on 15 meters, and picking off one VA7 station after another on 10 meters during the British Columbia QSO Party last weekend, tells me we have some fun days ahead no matter your power or antenna. Do your best and you'll get heard. (Good luck with 3Y0J, though).

Off the air, the MRAC is buzzing with programs and activities, which you'll read about in this newsletter. One in particular I will mention is the new Workshops program. I've long-felt that this type of program is essential to our club's vibrancy and am grateful we have Dean, KC9REN, as our coordinator, planner, and coach for these hands-on build-a-thons and technique how-tos. I'm also excited because we're making stuff we can use. A tape measure antenna has many uses. An offset attenuator has one...yep, we're goin' on a fox hunt! (When the weather gets warmer). There is quite a diversity

of items on the workshop planner that should get your interest and stir your attendance at some point...QRP power meter/dummy load, SWR meter, and antenna modeling to name a few. But we're looking ahead for more ideas, so please take a look at our survey, click off what interests you, and suggest what you don't see but think would make a good workshop.

We have a busy year ahead with all the club activities planned and still being planned; I hope you'll fit a workshop into your schedule.

Meanwhile, go out and play radio!

--73--

Dick Strassburger

N9EEE

President, Milwaukee Radio Amateurs' Club

TREASURER'S FINANCIAL REPORT

Account Balances

as of January 16, 2023

Petty Cash: \$20.00

PayPal: \$282.64

Checking: \$7,876.83

CD1: \$5,178.94

CD2: \$7,635.60

Total Funds: \$20,994.01

(Note: the 2023 Budget will be proposed, reviewed, and potentially approved at the next Board of Directors meeting on February 20, 2023)

Respectfully Submitted,
Dale Weblar, AB9DW, MRAC Treasurer

BOARD OF DIRECTORS MEETINGS SUMMARY

November, December, January

Priorities for the team were discussed and accepted.

Strategic Priorities for 2022-2023 Term

1. The administrative aspects of the club are under continuing review to try to reflect current interests and needs. It is an ongoing activity with significant progress being made and the board continues to make recommendations to improve.
2. Create activities that encourage participation and socialization among members (see Activities) This continues with the membership being encouraged to bring ideas to the Board to be more in tune with the desires of the membership at large.
3. Enhance existing activities or assets to reinvigorate vibrancy (see Reinvigorate) This continues to be an ongoing effort to expand our membership and to welcome new members to the club.

Organization

- The By-Laws of MRAC have been updated by the board with feedback and input from the membership to reflect our culture and desire to be a vibrant and vital part of the amateur radio hobby and Southeastern Wisconsin community. The revisions were submitted to the membership and unanimously approved.
- Encourage greater participation on committees by Board and Club members. Initially a challenge, there has been a shift of more immersion in the Club, especially newer members. To remain vibrant and effectively fulfill the needs of the membership to enjoy a stimulating and diverse club experience, greater volunteer participation is sought.
- Change of business type from Non-stock corporation to 501(c)3 to obtain grants and eliminate sales tax. This is in the final phase of implementation with the Treasurer filling and submitting the documents for the change.
- Membership categories and fees review. The Board of Directors under the Presidents direction has discussed and revised the By-Laws to reflect a change in the membership categories and associated fees. This change offers immediate family members residing in the same household of a Regular dues paying member the opportunity for a reduced rate membership.

Activities

- Focus Feedback ideas: Meetings with additional emphasis on Digital Modes and technical topics were met with enthusiasm. Ongoing with further input and ideas sought from the membership.
- Build-a-thon workshops under the direction of Dean Berglund have been successful in creating awareness of projects that can stimulate members to meet and build skills to be better Hams and to seed further activities. The Tape Measure Yagi and 4MhZ attenuator projects have opened the door to consider club-initiated Fox Hunts. The workshop program has served two objectives: 1) to build members construction skills and, 2) to provide an additional social activity among members.

- Website: the Resources Page is continuously updated. Renewals and Payments are now better served with the online portal.
- Special Events Station for the MRAC 106th Anniversary at HRO was a success with over 50 contacts on HF and 45 on VHF.
- FM Simplex Contest is February 26th.
- Decision to go forward with Swapfest March 25, 2023. MAARS has elected not to participate. The MSOE ARC will provide an activity to generate interest among young hams .
- MAARS will continue with their picnic as-is. MRAC is invited to participate.
- Annual meeting to be held 3rd Saturday in April. A dinner and awards are being discussed.
- Ham Radio Boot Camp will be held April 22, 2023
- Field Day June 24-25. A Field Day Chairperson has not been discussed.
- Equipment inventory / radio station: The Custodian Duties are transitioning from Dave, KA9WXN, to Carter, W9ERR, under Dave's stewardship.

Reinvigorate

- Repeater (Fusion Guidelines, Echo link) Fusion guidelines were approved and implemented.
- Swapfest. A decision to go forward without MARRS was made because the board felt it was an important financial and social activity for the club.
- Ongoing efforts to increase membership have shown positive results with increase in membership.

Membership Meeting Saturday, November 19,2022

Meeting Open: Dick, N9EEE welcomed members and guests.

Members were introduced and special mention was made of members who have volunteered their time and expertise.

President's Report: The club's transition to a 501c (3) business status was presented. Club By laws Being adapted to modern requirements and to pass review for the 501c (3) status.

Financial Report: Dale presented the months finances are stable with increased revenue from 2 new members and Interest income. Club Finances are in good order

Membership Feedback: Favorable comments for plans for a Workshop series, and the repeater issues were noted.

Announcements: Noted that the membership year was coming to a close and that renewals done prior to 12/31 would cover the remainder of 2022 and all of 2023.

\$20.00 renewal Family members pay an extra \$10.00 per person licensed and living under the same roof. Life members forego a membership fee.

T-Shirt orders were due today via PayPal/cash and would have a Monday deadline. Ham Radio Boot Camp will be held twice in 2023 with April 22,2023 and a second TBA.

Not Makin' Dayton parking lot flea market, and club auction proposed for May 21, 2023.

Maker Faire provided MRAC with key, central placement of our ARISS display, and presented MRAC in a very positive light.

Presentation:
Meeting concluded.

Special Meeting November 19, 2022

Newly written Articles of Incorporation and an updated set of Bylaws were presented to the membership for approval. A concern about "inurement" was raised - allowing certain members (Life) to be afforded the same privileges as paid members but without being charged similar dues. Out of an abundance of caution, the proposal was tabled until the Board could look into an applicability.

Membership Meeting December 17, 2022

Meeting Open: Dick, N9EEE Introductions of Board of Directors. 2 New members introduced, Special Meeting on the club By-Laws to follow regular Membership Meeting. Membership Certificates distributed.

Presidents Message: This is Sign up Saturday: membership renewal, Special Events Station, and volunteer opportunities,

Financial Report: Dale presented Report on Club Finances.

Committee Reports

Membership: handling renewals and welcoming new members

Marketing: T-shirt Program moving forward.

Education: Ham Radio Bootcamp April 22, 2023

Activities: Special Event Station at HRO and at members' homes

Member Feedback: FM Simplex Contest is in February. Seeking a new Coordinator. Dave, KA9WXN, will mentor.

JOTA to be followed up on for continued participation.

Annual Club Dinner under consideration

Presentation: Dale, AB9DW and Dick, N9EEE, presentation about WIRES-X. Dick discussed how to access and engage WIRES-X on the repeater. Dale presented how to access WIRES-X via HRI-200.

Regular Membership Meeting Adjourned.

Special Meeting December 17, 2022

By-Laws proposed for approval.

The Board found no applicability of the IRS rules governing inurement.

Vote Passed By 100% consensus to ratify the new Bylaws for the Milwaukee Radio Amateurs' Club.

Special Meeting Adjourned 10:52AM

Membership Meeting January 21, 2023 Meeting

Meeting Open: Dick, N9EEE welcomed members and guests, presented certificates of membership and recognized new members bringing our membership total to 100.

President's Report: First quarter activities announced.

- Special Events Station in honor of the Clubs 106th Anniversary to be held today from 11AM to 5PM. Home operation for Sunday is cancelled due to lack of advance registration.
- Swapfest March 25th at Elks Lodge. Hall fees have increased to \$675.00 from \$500 in 2021. Tickets will be \$5.00 in advance \$8.00 at the door. Table price is \$15.00 early bird \$18.00 Day of the event. PayPal online for advanced sales. Swapfest is a social opportunity as well as a revenue source for the club.

Member Feedback: Call sign map of the membership will be generated with a URL link to be published at a later date.

Simplex Contest: February 26th we need a new coordinator to step up to work with Dave and Joe to transition.

Hams Helping Hams: Dick to update list of Elmer's noting areas of expertise.

Financial Report: Dale presented the months finances and will supply a Budget for 2023.

Membership Feedback: Favorable comments for the Build-a-thon Workshop series.

Repeater issues were noted. And a desire to better utilize it is proposed.

Announcements: no special presentation this meeting due to Special Station Event Station commencing.

Meeting concluded.

Compiled by Tony Satariano, KD9NXU, Secretary

BOARD OF DIRECTORS NOTICE

ANNUAL ELECTIONS

If you are interested in participating on the Board of Directors for the term 2023 - 2025, please watch for an upcoming email regarding the nomination process. Noted below is the election process as identified in the Bylaws of the Milwaukee Radio Amateurs' Club.

Section 3: DIRECTORS, OFFICERS, AND TERMS OF OFFICE: The Board of Directors shall consist of seven (7) persons. There shall be four (4) Officers and three (3) at-large Directors. All Directors shall be elected by the voting membership. The term of director seats shall be staggered so that no more than four (4) are eligible in a given year. The term of office shall be two (2) years and at the expiration of any term any Officer or Director may be re-elected. Director terms are for the period May through April of each year.

Section 4: NOMINATION AND ELECTION OF DIRECTORS: : The election of a Board of Directors shall occur at an annual meeting to be held in April of each year, in-person or virtually as circumstances warrant. Directors whose positions are not expiring shall serve as the Nominating Committee and select a Chair to the Committee. Their responsibility is to seek qualified candidates who possess the

interest and aptitude to hold a Director, and potentially an Officer position. Candidates may include directors who seek re-election, self-nominations, and those who are solicited by the Nominating Committee or other members in the club and accept the nomination. The nominating period shall commence March 1 of each year. The election shall be held during the annual meeting held in April, led by the Chair or other member of the Nominating Committee.

EVENTS, ACTIVITIES AND PROJECTS

**Milwaukee Radio
Amateurs' Club**

ACTIVITIES

Workshops:

J-pole antenna: Mar 4

QRP Pwr Mtr & Dum. Load: Apr 1

On-The-Air:

FM Simplex Contest: Feb 25

Field Day: June 24-25

EVENTS

Swapfest: Mar 25

Not Makin' Dayton: May 20

Auction: May 20



Have you ever wondered how far you can talk on simplex from your home, car, or HT? Have you ever had a simplex contact on Fusion or Dstar? Looking for a reason to use your new tape measure yagi you built at the January MRAC workshop? Then we have just the event for you on February 26th, 2023. MRAC will hold its 20th Annual FM Simplex Contest from 1pm - 4pm.

The purpose of this contest is to encourage amateurs to learn the basics of contesting and simplex operations and to expand the scope of their VHF-UHF operating techniques beyond what's needed for standard repeater operation. We are also encouraging digital simplex operation on FUSION and DStar modes. This is a fun event that allows you to be creative and tap into your competitive nature. [FM Simplex Contest Rules](#).

FM SIMPLEX CONTEST

sponsored by

Milwaukee Radio Amateurs' Club

SUNDAY, FEBRUARY 26, 2023

1:00 PM - 4:00 PM CT

6M, 2M, 1.25M, 70CM

INCLUDING FUSION AND D-STAR



SPONSOR: Milwaukee Radio Amateurs' Club (MRAC)

PURPOSE: to promote FM simplex operation and VHF/UHF contesting while giving new hams an opportunity to develop their contesting skills.

TIMING: 2m (1:00 pm - 2:00 pm), 70cm (2:00 pm - 2:30 pm),
6m (2:30 pm - 3:00 pm), 1.25m (3:00 pm - 3:30 pm),
Digital Voice (3:30 pm - 4:00 pm)

REGION: Southeastern Wisconsin (Grids EN52, EN53, EN62, EN63).
Contacts from other grid squares are welcome.

FREQUENCIES: simplex only, no repeaters or satellites. Please view the rules for specific simplex frequencies prior to operation.

DIGITAL VOICE: Fusion and D-Star.

EXCHANGE: call sign and four character grid square.

AWARD CATEGORIES: Base, Mobile, HT, and Club.

AWARDS: Certificates for each 1st place per category, per band. Limit one award per person. Winning club is recognized on the plaque at HRO Milwaukee.

Please review the Rules and Log Submission at www.W9RH.org

ENTRIES DUE BY MARCH 18, 2023

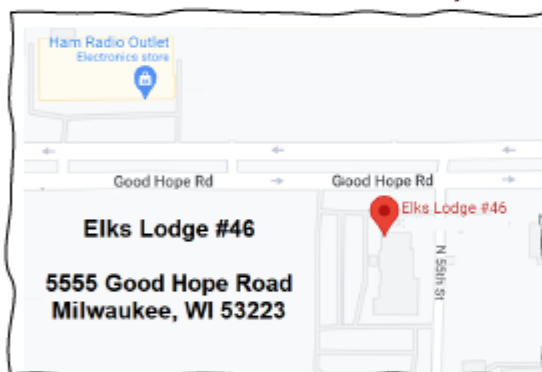
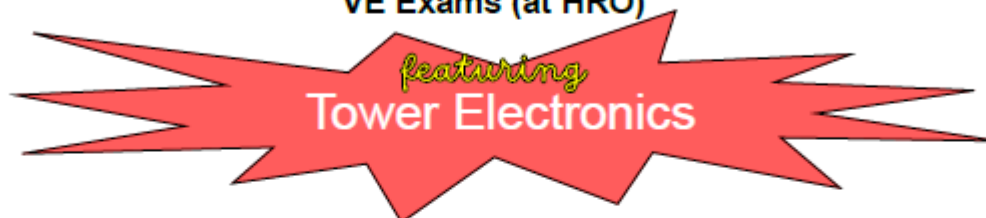


Milwaukee Radio Amateurs' Club

11th Annual Swapfest Saturday, March 25, 2023



Sponsored by ARRL
Radios | Ham Gear | Computers | Electronics
VE Exams (at HRO)



HOURS:

Event: 8:00 am – 12:00 pm

Vendor set-up: 6:00 am

EVENT TALK-IN:

FM or C4FM: MRAC Repeater

145.390 MHz (127.3 kHz)

WIRES-X Rm #43588

ADMISSION

- Early Bird* (by Mar 11): \$5
- Walk-in: \$8
includes FREE Parking

TABLE FEES:

- Early Bird* (by Mar 11): \$15
- Walk-in: \$20

(Limited electricity is available)

Early Bird pricing ends on March 11.

BUY NOW!

TICKETS & TABLE RENTALS

Online: <https://www.w9rh.org/club-events/swapfest-2023/>

Postal:

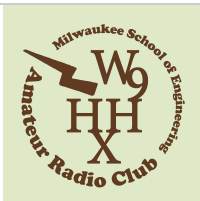
(Order form appears on the next page)

MRAC

PO Box 26938

Milwaukee, WI 53226

Email: swapfest@w9rh.org



MSOE Amateur Radio Club Balloon Launch

Special Presentation for Young Hams at MRAC Swapfest

Visit the indoor display to view the balloon, transmitter, and fuel source
Watch the balloon launch in the parking lot at 12:00 pm

MRAC WORKSHOPS

1st Saturdays
9:00 am - 11:00 am
HRO Meeting Room

MRAC Workshops are held the first Saturday of every month. Topics can range from soldering techniques to product builds. Many are build-a-thons where members select a project and simultaneously build it with guidance under the direction of Dean, KC9REN, workshop coordinator. A new project or build is selected each month and usually noted on the [website](#) 60-90 days in advance to assure timely delivery of necessary parts and supplies.

A note from Dean, KC9REN:

January's Build a Thon was an awesome success! We had 13 people making their tape Measure Yagis. I'm looking forward to our future project building sessions going forward and please send me your suggestions for further projects. Here is a list of our projects for the next several months. Be sure to check the MRAC website for a detailed list of parts needed. As always, you can work on projects you may have already started and would like to finish or kits you have obtained and would like to work on them here. We are here to help in any way we can.

February 4: MHz Offset Attenuator

March 4: 2m/70cm 450 Ω Ladder Line J-Pole Antenna

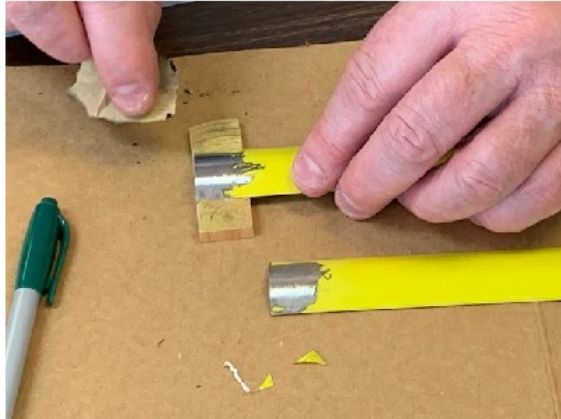
April 1: QRPGuys Power/SWR Meter w/ internal Dummy Load

May 6: 49:1 EFHW Antenna Transformer

June 3: 6M Halo Antenna

Advance registration is required for all workshops. Please visit our web pages for each product build, requirements, and registration.

Workshops






What should we make? What should we explore?

Take our survey. Click [HERE](#)

- ☐ Build a CW practice oscillator
- ☐ Build a 9:1 unun for random wire antenna
- ☐ Build a 1:1 common mode current choke
- ☐ Build 20m and 40m band pass filters
- ☐ Build a dipole (or fan dipole) antenna
- ☐ Build a OCF (Off Center Fed) dipole antenna
- ☐ Build a 6 meter halo antenna
- ☐ Build a 100w dummy load
- ☐ Build a Grid dip meter adapter coils for antenna analyzer
- ☐ Build a Digital component tester (transistors, diodes, capacitors, resistors, etc)
- ☐ Build a LED capacitance frequency inductance tester meter. (no case)
- ☐ Build a DC power analyzer (inline)
- ☐ Build an antenna tuner
- ☐ Technique: how to solder different components, using different tips,
- ☐ Technique: soldering stations, solder irons, soldering techniques, tip care
- ☐ Technique: How to effectively use a field strength meter

Sample

The poster features a decorative border of stylized camouflage leaves in shades of green, olive, and tan, framing the central text area.

HAM RADIO BOOT CAMP

GET ON THE AIR WITH CONFIDENCE

FREE TO NEWLY LICENSED AMATEUR RADIO OPERATORS

LEARNING SESSIONS

HANDLING MIC FRIGHT

STRUCTURE OF A QSO (SIMPLEX, REPEATER, NETS, HF)

WHAT YOU CAN DO WITH A TECHNICIAN CLASS LICENSE

WHAT YOU CAN DO WITH A GENERAL CLASS LICENSE

SETTING UP YOUR FIRST BASE STATION

SETTING UP YOUR FIRST MOBILE STATION

GOING PORTABLE

WORKSHOPS

ESSENTIALS OF A HAM RADIO WORKBENCH

SOLDERING TECHNIQUES

CREATE A DIPOLE ANTENNA

EXPERTS Q & A FORUM

DATE: APRIL 22, 2023

9:00 AM - 4:00 PM

TRAINING ROOM - HAM RADIO OUTLET (MILWAUKEE)

RSVP REQUIRED - LIMITED ATTENDANCE

HAMRADIOBOOTCAMP@W9RH.ORG

LED BY MILWAUKEE RADIO AMATEURS' CLUB

SPECIAL EVENT STATION

W9RH/106

MRAC celebrated 106 years of continuous service to the Milwaukee area amateur radio community with a special event station operating on Saturday, January 21, 2023 from the Ham Radio Outlet showroom. Over 100 contacts were made on 20 meters SSB, and the MRAC repeater in FM and C4FM mode including a few via WIRES-X. While a few members observed the operation, on-air operators included Carter, W9ERR; Joe, N9UX; Gary, KD9VGL; Ted, N9KQQ; Jeff, AD9AB; Jerry, K9FI; and Dick, N9EEE.







Ask Questions - Get Answers

Tuesdays

8 pm - 145.390 MHz

W9RH repeater

Hams Helping Hams™

"What's In Your Wheelhouse?"

It's a tradition in the amateur radio hobby for Hams to lend their experience and expertise to those who need a helping hand, or mind. We started HAMS HELPING HAMS™ over a year and a half ago and have had a variety of requests to fulfill. Thankfully, our small group of Elmers have been there for them. Here are some examples:

Mike, KD9WMJ, is a newly licensed Technician class ham and joined the club to leverage the collective knowledge and help him get on the air. His "wingham," Dick N9EEE, talked him through programming his new QRZ newbie HT for local area repeaters, discussed station variables, and have scheduled an on-air ice-breaker. Mike registered for the next Ham Radio Boot Camp so he can get on HF, and talk around the world.

If you're in need of some additional knowledge about a project or new area of ham radio you are pursuing, contact [Hams Helping Hams](#) for some one-on-one assistance.

=== BE AN ELMER ===

If you're interested in sharing your background, expertise, experience, and/or knowledge and joining our group of Elmers and the HAMS HELPING HAMS™ program, [complete this form](#). Consider this is a give-back for all the times you were helped by another Ham.

If you're interested but need more details about the program, contact [Dick Strassburger](#), N9EEE

MEMBERSHIP NEWS



for renewing your membership in the Milwaukee Radio Amateurs' Club. We had a stupendous response and are gladdened to know our efforts to provide programs, events, and activities align with your needs and desires for an amateur radio club.

We currently have 87 members of which 70.4% are ARRL members*

Our census is Regular - 58, Family - 12, Life - 15, Student - 1, Associate - 1

* to maintain affiliation, at least 51% of our club's voting members must also be ARRL members

WELCOME NEW MEMBERS

December
Richard Polivka - N6NKO

Robert Polivka - KD9WCO
Daniel Waters - KD9RXC

January

Andre Robitaille - WT9X
Etienne Robitaille - K9ZN
Nick Stella - KD9VWC
Brett Gruchow - No call (studying)

February

Dennis Alesci - KD9WMH
Mike Creegan - KD9WMJ
Mike Strelitzer - KA9JBD

THE VALUE OF MRAC CLUB MEMBERSHIP

When you belong to the Milwaukee Radio Amateurs' Club you draw upon the history of ham radio and help shape its future. The oldest ARRL-affiliated amateur radio club and one of a handful of the oldest ham radio clubs in the USA established in 1917, the MRAC is the bedrock for supporting local hams advancing in the hobby, fostering a unique camaraderie, and providing meaningful opportunities. These are just a few of the benefits of membership.

Field Day
Special Event Station
FM Simplex Contest
Hands-on Workshops (monthly)
Hams Helping Hams (Elmers)
Ham Radio Boot Camp
Auction
Swapfest
Summer Picnic
Wide coverage Repeater
System Fusion WIRES-X node
Weekly Nets
Net control training
Monthly meetings
Special Projects, such as ARISS
Facebook Group
Quarterly e-newsletter

HELP WANTED

There are many ways to participate in club activities.

FM Simplex Contest: help score logs or join the committee and be the bonus station

Participate at Field Day (set-up, take-down, operate on air, log contacts)

Be Net Control for Rookie Net, 2m Net, 10m Net, or Fusion Net

Join the Welcome Committee as a "wing-ham"

Contribute to our newsletter, Hamateur Chatter

Score logs submitted for the FM Simplex Contest

Be an Elmer - be a Ham Helping Hams

Plan our next Swapfest

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

Membership Committee (club ambassador at swapfests and events, direct mail)

Marketing Committee (publicity for events and activities; FaceBook posts)

Workshops - show us how to build something

Demonstrations - show us how to utilize new tools or on air modes

So, what interests you?

[CLICK TO HELP](#)

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

"Volunteer to volunteer."

MEMBER RESOURCES

W9RH.org IS YOUR INFORMATION RESOURCE

Newly added or updated:

- Meeting Date and Program
- Workshops: March and April
- Ham Radio Boot Camp
- Member Directory
- Bylaws and Articles of Incorporation
- Newsletter (Hamateur Chatter)

W9RH.ORG



FACEBOOK GROUP

Welcome to our Facebook Group

Be the first to know

See pix of events

Ask questions

Post your achievements and successes

Join the conversation at [Facebook.com/groups/MilwaukeeHamRadio](https://www.facebook.com/groups/MilwaukeeHamRadio)

MRAC VEC TESTING

Here is a recap from the MRAC VEC test session on January 28th:

We had a nice turnout for this session, in spite of the gloomy weather forecast. The snow held off for a bit, and 12 candidates showed up. All received either an upgrade or a new license.

Candidates earned the following licenses:

Technician: 5

General: 4

Extra: 3

A big "thank you" to the volunteer examiners who assisted with the test session. Congratulations to the candidates who obtained a new license or upgraded their existing license! And a hearty "welcome" to those candidates who joined the hobby by earning their amateur radio licenses.

FCC Licensing Update

New FCC rules affecting Amateur Radio licensing went into effect on April 19, 2022 regarding a fee structure and licensing process. Please visit the [MRACVEC.org](https://www.MRACVEC.org) website for more information.

The fee structure is:

New Application (Technician)	\$35.00
License Upgrades	No Fee
Renewals	\$35.00
Vanity Call	\$35.00

Upcoming Test Dates

- February 25, 2023
- March 25, 2023 *
- April 29, 2023
- May 27, 2023

* concurrent with MRAC Swapfest

MRAC VEC, INC.

The MRAC VEC is the local point for amateur radio license testing with regularly scheduled exam sessions each month. They have specific requirements as does the FCC, so please visit their website for instructions prior to visiting the exam site. Reservations are no longer being taken. Walk-ins only..

What to bring to the test session:

- A photo ID
- The FCC requires a valid email address directly accessible by you.
- FRN (Federal Registration Number). You must register with the FCC to obtain your FRN number, in advance of the test session
- Photocopy of your original license
- \$5.00 to offset the cost of testing materials
- Do Not bring the \$35 application fee. You will receive an email from the FCC with instructions for fees payable to the FCC

For more information about testing requirements and other useful information, visit their website, mracvec.org.

A big "thank you" to the volunteer examiners who assisted with the test session. Congratulations to the candidates who obtained a new license or upgraded their existing license! A hearty "welcome" to the new members of the ham radio community.

OFFICERS and DIRECTORS

Officers

President: Dick Strassburger, N9EEE
Vice President: Roger Heindl, AC9BT
Secretary: Tony Satariano, KD9NXU
Treasurer: Dale Webler, AB9DW

Directors

Dean Berglund, KC9REN
Ted Carlson, N9KQQ
Tom Pachner, W9TJP

MEETINGS AND NETS

MEETINGS

...are held the third Saturday of every month. We continue to offer a virtual attendance for those facing travel or health reasons. View our website for current information.

Meeting Dates and Presentation:

February 18: Winlink: What Is It and How To Use It (Mike Johnson, WO9B)

March: Logging software

April: Annual meeting - speaker, elections

NETS

Rookie Net: Tuesdays @ 8:00 pm CT - 145.390 MHz Repeater (FM mode)

10m SSB: Fridays @ 8:00 pm CT - 28.490 MHz SSB

2m FM: Fridays @ 9:00 pm CT - 145.390 MHz FM repeater (FM mode)

Fusion Net: Saturday @ 7:00 pm - 145.390 MHz Repeater (C4FM - DN mode)

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](#).

CONTACT INFORMATION

EMAIL: w9rh@arrl.net

WEBSITE: W9RH.org

FACEBOOK: facebook.com/MRAC.W9RH



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Our mailing address is:

P.O. Box 26938
Milwaukee, WI 53226

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The MKTG Guy · N22W24226 E Parkway Meadow Cir Unit A · Pewaukee, WI 53072-6415 · USA

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