



Official Publication of the
West Allis Radio Amateur Club

Hamtrix

[click here to go to web site](#)

Volume 73, Issue 3 March , 2024

MARCH CLUB HAPPENINGS



NUT NET

3.985mhz

Monday-Saturday

8:15am CT

WARAC 4th Tuesday

Breakfasty

At the Forum

Layton & Hyw 100 at

8:30am

The Milwaukee-Florida Net

time is:

7:15 – 8:00AM Central

8:15 – 9:00AM Eastern

Mon through Sat

Meeting

Tuesday March,12, 2024 7pm

New Berlin Community Center

14750 W. Cleveland Ave.

New Berlin, WI

Between Moorland and Sunnyslope

Presentation

Wisconsin QSO party

"POTA the new Ham Sport"

Rick Wyrwas, WB9JBQ

Fund raising Raffle

More info pg 9

Premeeting dinner

New Berlin Ale House 5:15pm

16000 W. Cleveland Ave

West of Moorland Rd.



March 10
2024

SEE page 4
and page 8

[Click for more
info](#)

for more info

Mark your Calendar
Sendik's Grill fundraiser dates
May 18,2024
September 7, 2024
At the New Berlin store

Index

Meeting Minutes3

Contest & DX.....4

Digital Digest..... 6

WI QSO party.....8

From the Editor.....9

Raffle.....9

ARDC.....10

Hamfest.....11

Slow Speed CW net...13



AFTER THE WIQP @ THE BOSCH

SUNDAY, MARCH 10TH
8:00 PM UNTIL.....

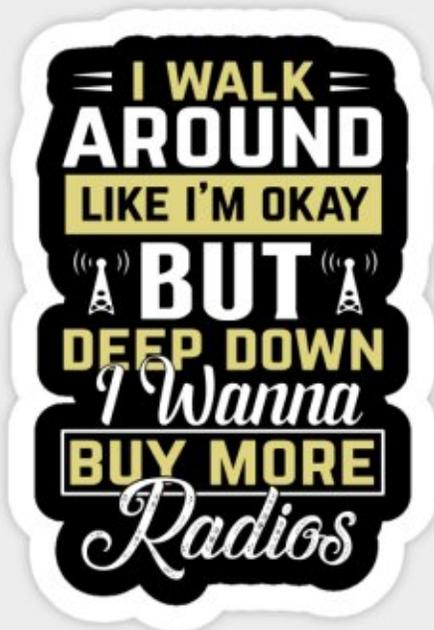


- (414) 427-1400
- <https://www.theboschtavern.com/>
- 5871 S 108th St, Hales Corners, WI 53130

MARCH MEETING RAFFLE: B & K OSCILLOSCOPE

Get that test bench rolling for 2024.
Each ticket is \$5. All proceeds go to
the club!





WARAC Find Us On The Air

VHF Simplex 146.55 Mhz



Looking for a Club Member to chat with? Fire up the VHF rig and give a shout out on the VHF Simplex Frequency 146.55. You'll be surprised how often someone is listening. Hit the PTT and say "Hello"

DMR - BM TG 3155 WI State



The WI State 3155 TG is available on all the local DMR Repeaters AND via your HotSpot. Put yourself monitoring and come find a Club Member

Nut Net - Mon to Sat on 3.985 Mhz @ 8:15 AM



Join The Nut Net on 80 Mtr SSB from 8:15 to 9:00 AM Mondays thru Saturdays. Check-ins are from all over WI. You'll be a Nut Netter regular in no time. This is a general discussion net that gets your day started out right.

Milw - Florida Net - Mon to Sat 14.290 Mhz 7:00 AM



Join Tom, K9BTQ, for this early morning Check In Net, Mon thru Sat on 20M from 7:00 AM to 8:00 AM. Get the news to get your day started out just right.

6 Meter Chat - Wed, Fri 50.160 Mhz @ 9:30 AM



Paul, W9PCS, hosts this informal 6m online get together on Wed and Fri starting at 9:30 AM. This is a round table discussion and everyone is welcome to drop by and join in.

WARAC General Meeting Minutes – February 13, 2024

Called to order by Feroz WU9N @ 7pm.

Attendance: 26 – 21 Members, 5 Visitor.

Feroz WU9N: – did intro's.

Dec. General Meeting Minutes: - Approved.

Treasury Report – Bill N9KPH: - Approved.

Howard WA9AXQ – Scholarship: The ARRL scholarship earnings are ~ \$4,600. The ARRL slightly change the earnings required to pay out. The earnings need to be 2x the scholarship amount. There will be a \$2k scholarship in 2024.

Dave WB9OWN – Field day: We are looking at alternative locations for Field day.

Frank KA9FZR – Sendix dates are set May 18, September 7. Its a nice get together. Visit and have fun.

Mike WO9B: Website update still in progress. Feroz and Mike are still testing.

Presentation: Tom Macon K9BTQ – WI QSO Party March 10, 2024. 1 – 8pm. CT presentation.

Committee members - Chuck W9WLK, Tom K9BTQ, Howard WA9AXQ, Jeff W9JSP.

WI QSO Party contest sponsored by our club scene 1979. Sponsoring - We set the rules, receive and process the logs(MS Access), publish the results, and award plaque and ~ 160 certificates(email). 7 hours of radio fun.

The committee is looking for people to help support and maintain the access database and do publicity for the contest. Or learn how the whole processes works.

The contest is a 7 hr. contest. Based on Local and International participation based on Wisconsin. In State (County to County: 72 County's), Out of State (State to State, DX). HF 160 – 10, VHF/UHF 6, 144, 220, 440.

CW, Phone. QRP < 5W, LP 5 - 100W, HP > 100W. W9FK (Club Call) Will be active cw, phone. Many

Awards: For highest score's based on mode of operation. Single Operator Fixed (SOF), Single Operator Mobile (SOM), Single Operator Rookie (SOR), Multi Operator Fixed (MOF), Multi Operator Mobile (MOM), Multi Xmtr/Multi Op Fixed (MMF), Multi Xmtr/Multi Op Mobile (MMM).

Talked about the Plaque's and certificates. Last year the QRP plaque was divided in to 2 - In State, Out of State. **New for 2024 a DX participation plaque.**

Can self-spot @ WIQP Spots - **QSO Party Hub** qsopartyhub.com/wiqp-spots.php

Resources: **For full information Wisconsin QSO Party** <http://warac.org/wqp/wqp.htm>

Propagation: With the current Sun spot cycle, this year should be interesting.

Best to learn your logging program before the contest. N1MM (free SW) has a learning curve, N3FJP (paid SW) easier to learn. WA7BNM Contest calendar. Email reflector.

**Remember to pay attention with WI county abbreviations.

Meeting Adjourned at 8:12 pm.

Respectfully Submitted

Bill Dargis KD9BJZ

Secretary WARAC, February 13, 2024

Contest Corner and DX Report

Michael Falk, AA9RK

In March, there is one marquee, worldwide event, but another one which is even bigger for us here at WARAC, as the eyes of the world will be focused on us! Read on...

First and foremost, let's discuss the Wisconsin QSO Party. State QSO Parties are social, challenging, and diverting, even when you're an out-of-state station. When you are an in-state station – when YOU are the DX – it's even more fun. One unique aspect of our QSO Party is that it's short, only seven hours long. WARAC has been sponsoring this event for decades, and you can make this event whatever you want it to be – phone, CW, HF, VHF, the whole seven hours, or a short time. I hope to hear you on the air on March 10th from 1:00 to 8:00 PM local time. (I will be part of the WO9B mobile operation.) If you can get on the air, stations from all over Wisconsin, all over the US and Canada, and even all over the world want to work you.

With our QSO party only taking part of Sunday afternoon and evening, what else is on the air March 9/10? The North American Sprint (RTTY) runs for four hours on Saturday night. I've discussed sprinting in this column before, but briefly, once you answer a station's CQ, the frequency is yours to call CQ. Then after you make a contact, you must change frequencies (usually by at least 5 kHz) before making another contact. It keeps you on your toes and keeps you thinking. I really enjoy RTTY contesting, and if you are set up for any digital mode, RTTY is not too hard to get going. The Idaho and Oklahoma QSO parties are also going down that weekend, and the YOTA (Youth On The Air) contest also takes place on Sunday.

The weekend of the 16th and 17th, the Virginia QSO Party will be on the air, and then on March 23rd, there is another North American Sprint contest, this time on phone (SSB). It's another four hours of mayhem. Give it a try. It really is a challenging and enjoyable event.

The big contest this month is the CQ Worldwide WPX Contest (SSB). WPX is my favorite of the worldwide contests. WPX is Worked All Prefixes, meaning every call sign prefix is a multiplier. AA9 is medium when it comes to rarity; it's not nearly as common as, say, K9 or KA9, but it's not nearly as rare as WU9 or AI9. I enjoy an "everybody works everybody" contest like this just because there are always QSOs to be had, even from my little station.

April kicks off the VHF/UHF contest season with the 144 MHz Spring Sprint on Monday, April 1 from 7-11 PM. These contests use "sprint" just to mean that it's a short contest, not that it has that rule about giving up the frequency as the North American Sprints do. I operated this contest as a rover with Max last year, activating two grids from Mary Knoll Park in Brookfield and then Minooka Park in Waukesha. A lot of the activity is on FT8, since signals can be pretty weak, but there can also be activity on SSB and CW, and also FM phone with local stations. It runs the same time as the Spartan Sprint, which is a two hour, QRP, HF CW contest with emphasis on using tiny radios and backwoods operation. (Also a sprint in the sense of "short contest", not "must QSY after calling CQ".) (Backwoods for us usually means a picnic table at the local park if the weather is nice, and my usual shack if not.) There will be more VHF+ sprints on weeknights throughout April, and then the 6 meter Sprint, the big one, is on Saturday, May 11. Some Sporadic-E or other propagation enhancement would really make that contest fun.

The state events keep rolling the first weekend in April, with the Missouri QSO Party as well as Georgia's and Florida's State Parks On The Air events. POTA (Parks On The Air) is not a contest but an operating

Continued next page

activity, but these events sort of bridge the gap between activity and contest. (Wisconsin's State Parks on the Air event, if you are wondering, is generally the third weekend in September.)

...

What's the DX news? After spending some time playing in the International DX Contest (CW) last month, I got my DXCC total up to 70. I'm sure some of you reading have 300 or more, but I feel like I'm making good progress for a 100 watt station with one wire antenna up 25 feet. This month, we'll focus on Africa, the Indian Ocean, and the south Pacific Ocean. It could be a very good month to work some rare entities.

- TY5C in Benin plans to be on the air for the month of March. They will be focusing on HF, operating CW, SSB, FT8, and also working some satellites.

- The Kingdom of Lesotho (pronounced le-SOO-too) is a small enclave, completely surrounded by the country of South Africa. Lesotho is small, by national standards – six Lesothos could fit within Wisconsin. 7P8EI, primarily staffed by Irish stations, will be operating up to 8 stations on MF/HF, CW/SSB/Digital, from March 20th to March 29th.

- Just off Africa to the east, in the Indian Ocean, you'll find the island of Zanzibar. Zanzibar's even smaller than Lesotho, almost exactly the size of Waukesha County. Nowadays it is part of the country of Tanzania. 5H3VJG is QRV from March 8th through the 20th, on HF, primarily on SSB with the possibility of some digital. It's one op and one station, so it's a much smaller presence than the Lesotho operation.

- The 5R8BV DXpedition to Madagascar will be over by the time you read this, but there are still more Indian Ocean island DXpeditions. The island of Mayotte, just north of Madagascar, will be active on the weekends from March 23 until April 21, SSB and FT8 on HF. The call is TO4VV. Also, TO5LA will be active before, during, and after the WPX contest, March 28-April 2. (For the record, since we are interested in geography today, Madagascar is the size of more than three Wisconsins, but Mayotte is smaller than Milwaukee county.)

- 8Q7BB in the Maldives will still be on the air through March 9, HF CW and SSB. The Maldives have a land area even smaller than Mayotte within a sea area half the size of Wisconsin, and the land is shrinking. The islands are extremely low and flat-- some sources say the highest point is 8 feet above sea level -- so even a small rise in ocean levels means land area disappears.

- Shifting to the Pacific Ocean, just east of Australia and north of New Zealand is New Caledonia. FK/LZ1GC and FK/LZ5QZ will be on the air from March 10-19. 160-10 meters, CW, SSB, RTTY, and the FT modes.

- Moving northeast, FW8GC and TX8GC (Wallis and Futuna islands) will still be on the air until March 9, 160-10 meters, all modes.

- T32EU, in Eastern Kiribati, (northeast of Wallis and Futuna in the central Pacific) will be on from March 12th until the 27th, 160 up to 6 meters, all modes with high power. They are using MSHV and not Fox and Hounds on FT8, so set your software accordingly.

Let me know your DX and contest tips, and I'll include them here. Clearly, you can see from above, all I know is geography, so any hot tips you have will help us all.

-Michael AA9RK



March 2024 * Hamtrix * By Michael Johnson, WO9B

QSL's and SDR's

It is just possible this sunspot cycle is geared toward maximum fun!! HF has been a hopping and is showing no signs of slowing down. Taking a break this month from our VHF/UHF stomping grounds, it is time to tip the hat to a couple of fun HF developments.

SDRplay RSP1B is Released

Sometime in the last month or so SDRplay released an update to their very popular RSP1A SDR device and cleverly tagged it the RSP1B. For just a few dollars more this is a pretty good update.

Remarkable? Not really, but for those of us with the RSP1A the upgrade to a metal case is very welcome. Noise handling improvements are also claimed for the LF frequencies as well as better HF signal handling. I have no idea what that last point means, but frankly I find the RSP1A to be an excellent performer. I'm inclined to take them at their word. HRO is the sole US market supplier so

go check it out at the "Candy Store". A word to the wise, you might want to wait for the occasional Black Friday price breaks that seem to happen two or three times a year. They usually give a Dayton Discount... just saying.

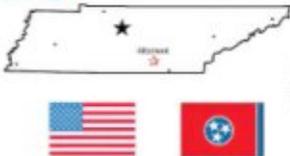


What I want to know is what's up with SDR Connect, the long awaited software upgrade to the aging SDR Uno? The last version drop was, well, underwhelming. I still have my fingers crossed that someday....

KO4ZML

Trent Curtis
1688 Main St.
Allamore, TN 37301
USA

Grid EM75dk
Grundy County
trent.curtis@gmail.com



| Call Sign | Year | Month | Day | UTC Time | Power | RF Band | RF Mode | Notes |
|-----------|------|-------|-----|----------|-------|---------|---------|-------|
| KO4ZML | 2024 | 03 | 11 | 18:10 | 100W | HF | SSB | 738 |

QSL via Email

Anybody else getting a ton of QSL cards via email these days? It is the latest craze in the QSL card game to send them via email. It is a pretty good idea too. The cards can be downloaded and printed or saved and they look GREAT. Years back these would show up occasionally, but lately they are coming in hot and heavy.

So what's the deal? Simple, there are several software programs available at modest cost (\$50+/-) that work with your logging software to set up email generated QSL's. NIET.COM's service is popular in my inbox. They all use QRZ.com or another callsign database as the email address source. That is all that is necessary to turn yourself into a QSL emailing wonder. Once you send them, you are most certainly going to get some in return, so be prepared for the give and take associated with collecting QSL's.



WARAC 4th Tuesday Breakfast

NOTE NEW LOCATION

Several years ago there was talk among Nut Net members that we should get to meet each other. A breakfast get together idea was started. It was open to all hams, XYL/partners and anyone who wanted to learn about amateur radio. Even visiting OM/XYL couples joined us.

So, on the fourth Tuesday each month at 8:30 am we meet at **The Forum Restaurant, corner of HWY 100 and Layton Road, Greenfield, WI**. Looking forward to seeing you, mark your calendar.

Phil, W9NAW

2024 Challenge for our membership. Have someone you meet, Ham or Ham wannabe come to a meeting this year!

Swap Corner

If you have something ham related you are looking for or you would like to sell or give away. I would be happy to post them in Hamtrix

Editor

ELMER

by Rich Regent, K9GDF



Wisconsin QSO Party Sunday, March 10, 2024 By Tom Macon, K9BTQ

The Wisconsin QSO Party is an on-the-air operating event popular with hams in Wisconsin, across the country and the world. I encourage all WARAC club members to participate and proudly mention they are members of WARAC, the sponsoring organization! We have sponsored this annual event since 1979, which makes the 2024 WIQP our 45th!



A unique thing about WIQP is that there's something for everyone, from big-gun contesters to casual little pistols. Remember that the overall goal is for everyone to have fun.

We talk a lot about CW, mobiles and activating counties because a lot of entrants are attracted to our Party by this competition, but there are lots of other ways to participate – phone, casual QSOing and VHF operation, too. So there's something for everyone! The more stations that participate, the more QSO's will be made, and that makes it more fun.

For 2024, there are no changes to the Rules for WIQP, with one exception – we are offering an additional plaque to recognize the highest DX station score. With the oncoming solar cycle, we want to recognize participants from outside the US and Canada who make an significant effort to be heard in Wisconsin. Thanks for Mark, KB9S and Scott, NE9U for sponsoring our new plaque.

Be sure to read the [Rules](#) to refresh your memory of the contest details, then **join the party on Sunday, March 10 - 1:00 PM to 8:00PM Central Daylight Time.**

Is your logging software up to date? Look under Logging Software on the main [WIQP web page](#) for information on logging tools. If you log by hand or with a non-contest logger, check out the WA7BNM web-based log tool. It's great for typing in your log information, or for pasting it in if it's in non-standard format. And it's free!

Wisconsin counties are score multipliers, so a really important aspect of WIQP is getting as many counties on the air as possible. Our party is an opportunity to work some of the "rare" Wisconsin Counties, but they can't be worked if they are not on the air. We need to get activity in all Wisconsin counties. Please talk it up when you're on the air!

If you're planning portable or rover operation, visit [Activate All 72 Counties](#) on the WIQP website to find the counties are rarely activated. There is a table there for each year since 2013 (eleven years) plus a table that is a composite of all years. You can just view the data in your browser or you can download if you wish. It is available as spreadsheet tables or in an [enhanced Excel spreadsheet](#) provided by Bob Chudek, K0RC. Bob's spreadsheet has the ability to sort on any column plus lots of other features. If you have any questions, please contact Bob. (His email address is on QRZ). Thanks, Bob!

So please make plans to be on the air – Sunday, March 10! Just seven hours of fun!

And, when it's over, don't think you didn't do well enough to submit your log. Every year we receive logs with just two or three QSO's. A few years ago we received a log with zero QSO's – his way of saying he couldn't participate but wished he could have.

Again, if you need help, bring your questions to the meeting or contact one of our WIQP team members: Chuck, W9WLX; Howard, WA9AXQ or myself.

So, get on the air on March 10 because you're a member of the sponsoring club, or because you want to run up a high score, or just for fun of it, but, by all means, get on the air!

From the Editor

Like many Hams in the area and perhaps beyond, this Sunday marks the Wisconsin QSO Party, a fun event for all. I've been participating in it since joining the West Allis Radio Amateur Club. Over the years, I've engaged in QRP sideband portable operations, stopping in multiple counties with a team, and more recently, mobile operations with a team. Each time, it's been an enjoyable experience, and I'm looking forward to more of the same this year.

Join us for even just one contact or perhaps aim for a record score in one of the many divisions available. People are always willing to work with you to establish a contact. Remember, every contact matters, so be sure to send in your log regardless of how many contacts you make.

With the weather turning, Hams are starting to think about portable park activations and gatherings. Our club has been meeting at parks in the area when the weather warms up to set up and refine our portable setups.

I'm currently working on a portable antenna that I can take along on bus tours. I have some ideas, so we'll be bringing it to the park to see how it works and maybe discover what we've forgotten. HI HI

73

Frank KA9FZR



**Description of the scope that will be raffled off at the meeting.
Manual is available online. Powered it up and appears to be
working**

**Unfortunately, there are no probes (30 bucks at Amazon)
B&K 40 MHz Dual Trace Oscilloscope**

\$5 per ticket

All proceeds will go to the Club .

Heard of ARDC? Tom Langer de KD9FPC

Ever heard of ARDC? Hope so. They are a very large private foundation with a very unique mission. Here's a quote... "Our mission is to support, promote, and enhance digital communication and broader communication science and technology, to promote amateur radio, scientific research, experimentation, education, development, open access, and innovation in information and communication technology."

Bet you weren't ready to see that! In fact, the organization has a very amazing history. And, is a major force in ham radio, both digital and analogue. A true ham radio prophet, a guy by the name of Henry (Hank) Magnuski, KA6M in 1981 saw the future of digital radio and all things related. Hank requested a block of IP addresses with a view towards Packet Radio. He managed to wrangle a net block of 16.7 million class A 44/8 IP addresses. It was the early 1980's and others didn't see the value of these addresses.

Hank and a group of volunteers all worked with this fledgling organization. After a bit it became Amateur Radio Digital Communication (ARDC). Eventually ARDC had their hands full, was growing like crazy so became a 501c3 not for profit organization. Today the group is a private foundation in order to carry out their activities and support communication globally in many ways. One might assume this takes a lot of overhead in terms of paid staff. But, while there is a meager staff supporting all of this, the real need is for more volunteers.

ARDC is involved in many things. Located in California, they manage the IP address database, exchange data protocols and a mesh of tunnels and gateway systems. Ham operators use this technology to experiment with digital systems, create new analogue parts and systems, for global emergency communications and other sorts of experimenting in our world.

They also award grants to projects and inventors that work to the mission described earlier. Things like the High Speed Amateur Radio Multimedia Network (HAMNET) autonomous network that is often used to facilitate global communication. The group manages the 44Net aka AMPRNet with its packet radio and WIFI. And, so much more.

By now you may be asking how do they do all of this wonderful work? The same vision that saw digital radio coming also saw a day of advancing IP enhancement. So, when the value of the internet block was at its top, the group sold off ¼ of the addresses to Amazon and others, for a reported price of \$108 million dollars. That created a laarge base. And, the organization also relies on an extensive group of volunteers just like in the beginning. More recently ARDC has funded the ARRL club grant program. So, while they are pleased to accept donations to continue and expand their work, they are in need of volunteers constantly. And, it makes no difference where the volunteers are located. As one might expect, this outfit operates virtually.

The ARDC is ready and willing to support individuals and clubs working on advancing the hobby of ham radio and communication overall. It is just this type of activity that will create a future for our kids, grandkids and generations that follow to be better equipped, active in new technologies and excited about the hobby. Might it be that our club takes on a role in this effort? Maybe. It's up to the club and each one of us. 73

<https://www.ardc.net/joining> - for joining ARDC

<https://wiki.ampr.org/wiki/> - for info on the 44Net

Hamfest 2024

Buy/Sell Amateur Radio Equipment, Electronics and Computer Gear



Sunday
March 17, 2024



Free Parking!

ADVANCE SALES: Admission: \$8 8' Table Space - \$15/ea
AT THE DOOR: Admission: \$10 8' Table Space - \$25/ea

Amateur Volunteer Exams starting at 9:30 AM
— By Appointment Only —
You **MUST** contact the Club at TCARC@W9MQB.org in advance to make an appointment OR register online. **Your FRN Number is Required**

Presented by: TRI-COUNTY AMATEUR RADIO CLUB - W9MQB
Talk-in on the 145.49- Repeater (CTCSS 123.0)

JEFFERSON COUNTY FAIR PARK
ACTIVITY CENTER
503 NORTH JACKSON AVE.
JEFFERSON, WI 53549

- Vendors will be admitted at 6:30 AM
- Vendors-only unloading zone on West side
- Food and beverages available
- General Admission and Sales begin at 8:00AM



Take I94 to Exit 267 (Johnson Creek), Head South on 26 to the Hwy 18 Exit. Exit East on Hwy 18 and turn left onto Jackson Ave. Look for the Fair Park sign.



Next year's date: March 16, 2025



Register online at <https://www.W9MQB.org/SwapFest>

Mail-In Registration Form

Admission: _____ X \$8.00 = \$ _____ Note: Table Reservation does not include Admission.

8' Tables: _____ X \$15.00 = \$ _____ Total Amount Enclosed: \$ _____

Name: _____ Phone: _____

Email: _____ Call Sign: _____

Street: _____

City _____ State: _____ Zip: _____

Mail-In Reservations require that we receive your payment BY MARCH 1st with a self-addressed, stamped envelope at:

TCARC Hamfest 2024, P.O. Box 321, Fort Atkinson, WI 53538

Questions? Call Michael Zore (AE9MZ) at 414-455-5493 or Email: hamfest@w9mqb.org

53rd Annual

Madison Hamfest

Sponsored by MARA, the Madison Area Repeater Association
A Non-Profit Organization

Saturday April 13, 2024

8:00 AM until 12:00 PM

The MARA Hamfest features vendors of new and used equipment for Amateur Radio, Electronics, Computers, computer parts and software. Come see our huge Flea Market in the Mandt Community Center's spacious 26,000 sq ft main hall.

VE testing starts at 10:00 AM.

Vendor space is sold on a "first come, first served bases"

Location: Mandt Community Center (Same location since 2000)
GPS: North 42.91157 West 89.21647
Address: 400 Mandt Parkway, Stoughton, Wisconsin
Directions: Take US Hwy 51 South from Madison to downtown Stoughton, WI.
Turn South on 4th Street and the Mandt Center is 3 blocks ahead on the left
Talk in: MARA's Wide Area Repeater 147.150 MHz (+600) pl 123.0
Parking: Free
Seller Setup: Friday night 6:00 PM to 8:00 PM and Saturday morning, 6:00 AM

Ticket, Table and Chair Prices

Tables are limited to availability!

| | | |
|---|-------------------------------|---------------------------------|
| <u>Hamfest general admission tickets:</u> | Purchased on website | \$8.00 per person |
| <u>Ages 12 and younger: FREE</u> | At the door <u>CASH ONLY!</u> | \$10.00 per person |
| Eight-foot vendor table fees | Purchased by March 25 | \$ 20.00 |
| Admission tickets are NOT included | After March 25 | \$25.00 |
| In the price of tables | | |
| Chairs | | \$ 5.00 |
| AC Service | | \$ 30.00 |
| Admission ticket along with table rental is <u>Required</u> | | <u>At the door is CASH ONLY</u> |

MARA is not responsible for theft or damage. All orders are final – No refunds.

Hamfest tickets, and vendor table space can be purchased at the MARA website: www.w9hsy.org If you have questions about purchasing tickets, chairs, table space. Please check the web page or contact us by e-mail at hamfest@w9hsy.org

DON'T KEY LIKE A PHONE MAN



SLOW SPEED CW QSO NET

Monday's - 8:00 PM - WBOAFB Repeater 147.045 + 127.3 Tone

CW Practice

One of the best and maybe the only way to get better at CW is practice. Having someone else who also wants to practice also helps. Just makes it more fun.

The West Allis Radio Club is going to try to help. We are running a CW practice net on Monday at 8pm The repeater is 147.045+ 127.3 the CW portion is on HF

Mike WO9B has been joining me and setting up some practice but we are open for suggestions on where to go with this. Come join us.

Officers and Board
President
FEROZ GHOUSE WU9N

Vice President
MikeJohnson WO9B

Secretary
William Dargis KD9BJZ

Treasurer
Bill Reed N9KPH

Directors
Tom Macon K9BTQ
Erwin von der Ehe Wi9EV

Newsletter Editor
Frank Humpal, KA9FZR
fhump@milwpc.com

Past President
Frank Humpal KA9FZR

West Allis Radio Amateur Club
P. O. box 511381
New Berlin, WI 53151-1381

West Allis Radio Club
PO Box 511381
New Berlin, WI 53151-1381