



Madison County Amateur Radio Club



JANUARY 2026

The next meeting will be held January 5, 2026.



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From the President

Hope everyone had a nice holiday season. This next year is going to be very exciting for me, and I hope for the club as well. The first big event coming up is Winter Field Day on the weekend of Jan. 24th and 25th. We will make plans for that at the first meeting of the new year. I want to thank Tim KD9PSR for his leadership this past year and his continued influence with the club. I will meet with the other officers just like he did before our regular meetings. Also remember your club dues are to be paid this month. See you at the meeting on Jan. 5th.

73's

Charlie KD9RZG

Vice-President Message

January is here, and conditions are cold! This month is Winter Safety Month, National Blood Donor Month, Winter Field Day, and National Hot Soup & Beverage Month—because nothing says “ham radio” like preparedness, community service, and comfort food.

Winter Safety Month reminds us to operate within safe limits. Whether you’re commuting, shoveling snow, or heading out for Winter Field Day, cold weather can cause unexpected problems. Layer up, keep emergency kits ready! A prepared ham is a happy ham.

January is also National Blood Donor Month. Think of donating blood as the ultimate “public service transmission.” No license required, just a willingness to help. One pint can make a life-saving contact.

It’s time for Winter Field Day! On the 24th & 25th we have another opportunity to prove that amateur radio works even when Mother Nature throws static our way. From frozen fingers to fogged-up glasses, Winter Field Day is all about making contacts while testing emergency readiness under some of the harshest conditions. Last year we had 6 operators make 74 contacts. Let’s beat both numbers this year!

And finally, National Hot Soup & Beverage Month—the official fuel of winter operators everywhere. Whether you’re running Winter Field Day or just monitoring the net, a hot bowl of soup or cup of coffee is the best this time of year.

So, this January, stay safe, donate blood, make contacts, and keep the soup & coffee pot on standby.

73 and stay warm!

Jay

KE9DJN



Madison County Amateur Radio Club

200 North Delaware Street, Anderson IN Madison County EMA EOC
Club Meeting – December 1, 2025

- Call to order 7:00 pm - Tim Bailey (KD9PSR)
Pledge of Allegiance

- Secretary report – Don Billey (W9BLY)

Motion to accept Gary (W9GNR) - Second Jeff Stewart (AK9JS)

- Treasurer report – Paula Dixon (KD9SZJ)

Beginning Bank Balance	\$ 5015.23
Special Fund Deposit	\$ 254.05
General Fund Deposit	\$ 159.00
Ending Bank Balance	\$ 5428.28

- Publications Editor report – Gary Sherman (W9GNR)
Good articles from everyone who is here... moving along well

- Activities report – Aiden Paul (KE9APA)
No activities for club... ARRL 10M contest - weekend of 13th
Dec 1-7 Pearl Harbor Dec 19 - Christmas in Bethlehem

- Trustee report – Doug Rose (N9DR)
No Report

- Tech committee report – Greg Hunt (K9ALC)
No Report

- Old business

1. Presentation of new bylaws
Section 5 - Constitution - Simplified - condensed... one paragraph...
Bylaws - Section 3 - Board of directors - dues structure... Article 3 not changed
Posted on website
2. Club election
President - Charlie Dixon (KD9RZG)
VP - Jay Hollingsworth (KE9DJN)
Secretary - Alden Paul (KE9APA)
Treasurer - Paula Dixon (KD9SZJ)

Publications - Gary Sherman (W9GNR)

Activities - Aiden Paul (KE9APA)

Trustee - Doug Rose (N9DR)

Tech Committee - Greg Hunt (K9ALC), Jeff Stewart (AK9JS), Charlie Dixon (WD9RZG)

3. Promote club Christmas party

Saturday - 9am - Anderson Grill - Door prizes, etc.

→ New business

Propagation video

W9ZBH - Harold Hitchcock - Tribute from Frank Dick (WA9JWL)

Gary Sherman (W9GNR) - Chat GPT - two minute scripted presentation in the manner of George Carlin (AI Generated using Chat GPT).

Dave Sargent (KE9XF) - Reminiscing... Tribute to his Elmers... Jason Whitaker - Connected and will get caught up and bring a report back.

→ Adjourn Motion Dennis (N9DO) Second Jeff Stewart (AK9JS)

Respectfully Submitted

Don Billey - W9BLY

Tech Committee Report: January 2026

Operators who enjoy HF have experienced difficulty receiving signals. For those that are just getting started, might wonder what some of those buttons do on your rig.

This month we will be discussing how DSP works. Operating on the High Frequency (HF) bands can be both rewarding and challenging. Signal quality, interference, and noise often impact communication clarity. Modern digital signal processing (DSP) tools, especially notch filters, offer powerful solutions to these issues.

What is DSP in HF Radio?

Digital Signal Processing (DSP) involves converting analog radio signals into digital form for advanced manipulation. DSP allows operators to:

- Filter out unwanted signals
- Improve signal-to-noise ratio
- Reduce interference
- Enhance received audio clarity

Many modern transceivers incorporate DSP features, providing real-time processing capabilities that traditional analog methods have difficulty matching.

Understanding Notch Filtering

A notch filter is a specialized DSP tool designed to suppress a specific, narrow frequency band—often a persistent interfering signal such as a local carrier or electrical noise.

Key benefits include:

- Selective suppression of interfering signals
- Preservation of the desired signal integrity
- Dynamic adjustment to changing interference conditions

Practical Tips for Using DSP and Notch Filters

1. **Identify Interference Sources:** Use your spectrum scope or waterfall display to locate interfering signals.

2. **Activate DSP Features:** Enable your transceiver's DSP functions—such as noise reduction and filtering.
3. **Configure Notch Filters Carefully:** Adjust the notch filter's frequency and bandwidth precisely to target the interference without affecting the desired signals.
4. **Utilize Dynamic Notch:** Some radios offer automatic or manually adjustable dynamic notch filters. Keep these tuned as interference sources drift.
5. Use DSP filtering alongside traditional tuning and antenna adjustments for optimal results.

Improving CW and SSB Reception:

Operators often encounter persistent carrier signals or heterodyne interference. Applying a DSP notch filter can significantly improve reception by nulling problematic frequencies while maintaining clear audio. DSP and notch filtering are invaluable tools in the modern HF operator's arsenal. By understanding and effectively utilizing these features, you can achieve clearer signals, reduced noise, and more enjoyable communications.

Until next month 73
Greg K9ALC

*Happy New years
to our Deployed
Troops*



-FOR SALE-

No items for sale

**HAVE AN HAM RELATED ITEM FOR SALE? ADVERTISE HERE!! E-MAIL
w9vcf.mcarc@gmail.com with your Item, asking price and preferred contact info!!**

EVENTS

Every Wednesday	MCARC 2M Net 8:00 PM - 145.390 pl 151.4 Followed by an informal ragchew on 28.465
Every Thursday	Donut Meeting 09:00 AM at the EOC
Every Saturday	Breakfast at Anderson Grill 09:00 AM at 2038 S Scatterfield Rd, Anderson
January 5th	MC ARC Meeting at the EOC, 7pm
January 20th	VE Testing at the EOC 7pm

SPECIAL EVENTS

January 10th	Operation Desert Storm 1600z – 2230z 14.320 7.250
January 25 th -27 th	Discovery of Gold in Calif 1700z – 0100z 7.248 14.248 21.348 28.348

Have something to contribute to the newsletter?

- Participated in any recent contest?
- Have an interesting QSO?
- Try an experimental antenna?
- Get a new piece of equipment you'd like to offer a review about?

We'd love to hear about it. You are more than welcome to write a piece about something above or something else you feel worthy of sharing. If you would like to write a piece for the newsletter, please submit your article, along with any pictures that you'd like included to the club email, w9vcf.mcarc@gmail.com.

Also, if you have anything for sale that you would like to advertise in the club newsletter, please send it to the above email.

Thank you, Gary - W9GNR

Madison County Amateur Radio Club

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Officer Contact Information

President	Charlie Dixon	KD9RZG	charliedixon46001@gmail.com
Vice – President	Jay Hollingsworth	KE9DJN	gmtech72@outlook.com
Secretary	Don Billey	W9BLY	don.billey@gmail.com
Treasurer	Gerald Hollon	K9GDH	gdhollon@comcast.net
Activities	Greg Hunt	K9ALC	RWilco.85@gmail.com
Trustee	Doug Rose	N9DR	n9dr@arrl.net
Technical Committee Chair	Dennis Owen	W9DO	w9do@arrl.com
Newsletter Editor	Gary Sherman	W9GNR	w9gnr@arrl.com

Meetings are at the Madison County EOC

200 N Delaware Street

Anderson, IN 46016

HAMFESTS



What??? No Hamfests?

Merry Christmas and Happy New Years.