



# THE SPARK

February, 2024

Home of the Cincinnati Repeater System

Cincinnati, Ohio

Article on page 5 discusses problems installing radios in an electric vehicle.



2024 CFMC membership dues are now being collected.



**Cincinnati FM Club**

Treasurer's Report January 10, 2024

Beginning Checking	\$4906.20
Received	
membership Dues	120.00
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Ending Checking	\$5026.20

Respectfully, Richard, KA8HXR  
CFMC Treasurer



**CFMC On The Air Net**

July 5, 2023 – 9:00 EDT

Check-ins:

- |                 |              |
|-----------------|--------------|
| W9OBQ, Don, NC  | W8SCK, Bob   |
| WA8FOZ, Bill    | KE8YQR, John |
| KD8JWN, Bob     | K8FR, Fred   |
| KA8HXR, Richard |              |

No new business reported.

Net closed 9:19 PM.

Respectfully submitted,  
Bill Klykylo, WA8FOZ, Vice president

Please submit your dues NOW  
For your 2024 CFMC membership renewal!

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## CINCINNATI FM CLUB

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### 2024 Membership Renewal/Application

Please support the CFMC. Call Fred Ruzick, Membership Chair, with questions. Contact info below

NAME \_\_\_\_\_  New Member  
CALL \_\_\_\_\_ LICENSE CLASS \_\_\_\_\_  Membership Renewal  
ADDRESS \_\_\_\_\_  Repeater Code Request  
(number and street) (city, state and zip) PHONE NUMBER \_\_\_\_\_ Amount Enclosed \$ \_\_\_\_\_  
EMAIL \_\_\_\_\_

OTHER HAMS IN HOUSEHOLD (at same address)

NAME \_\_\_\_\_ CALL \_\_\_\_\_ LICENSE CLASS \_\_\_\_\_

NAME \_\_\_\_\_ CALL \_\_\_\_\_ LICENSE CLASS \_\_\_\_\_

I will follow the "CFMC Repeater Operation Practices" document dated 3/24/2009. It is available on the internet at [http://cfmc.us/CFMC\\_Operating\\_Guide.pdf](http://cfmc.us/CFMC_Operating_Guide.pdf) or by mail. By signing this form, I agree to abide by these practices and understand that adherence to these practices is a condition of continued membership in the CFMC and use of its repeaters.

SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_

Mail to: **Fred Ruzick, K8FR**  
**c/o Cincinnati FM Club**  
**3257 Wheatcroft Dr**  
**Cincinnati, OH 45239-6130**  
**(513-741-8873 email k8fr@arrl.net**

**2024 Membership dues  
are now payable**

**RENEWALS: \$20** **Memberships lapse after January 1st. SPARK mailings continue through June**

NEW MEMBERS: \$10 Initiation + \$10 Dues = \$20 Total

(Please make check payable to **Cincinnati FM Club**)



The SPARK is the official newsletter of the Cincinnati FM Club and is published bi-monthly in anticipation of the bi-monthly Club Meeting at its normal meeting place: Mobilcomm, 1211 Sharon Rd, Cincinnati, OH 45240-2998. The Editor is Ken Irwin, W8LTT. Articles, suggestions and digital photos may be submitted to Ken via email at W8LTT@arrl.net, or by USPS at 358 Oliver Rd, Cincinnati, OH 45215-2615.

The deadline for the April edition is Saturday, March 20 for material submitted for publication or copied from other sources. Articles may be edited for clarity and length.

The on-the-air meeting on 146.28/146.88 MHz will be held at 9:00 PM, March 6, 2024.

The regular meeting at Mobilcomm is at 7:30 PM on Wednesday, February 7, 2024.

**BE SURE TO MARK YOUR CALENDARS!**

Go to <http://cfmc.us> for the latest news and the most recent edition of SPARK!

## The Cincinnati FM Club

Club Station Call: WB8CRS

Monthly Meeting: First Wednesday, Even Months, 7:30 PM

Cincinnati FM Club  
1211 Sharon Rd  
Cincinnati, OH 45240-2916

## The Cincinnati Repeater System

**"88" System All transmitters are simulcast.**

Location	GREENHILLS	MT. REPOSE	TAYLOR MILL	ELIZABETHTOWN	GREEN HILLS
Frequency	146.88	146.88	146.88	146.88	443.40
Offset	-0.6	-0.6	-0.6	-0.6	+5.0
Antenna Height	735 ft.	370 ft.	405 ft.	250 ft.	735 ft.
A.M.S.L.	1541 ft.	1243 ft.	1225 ft.	1170 ft.	1501 ft.
H.A.A.T.	825 ft.	558 ft.	496 ft.	177 ft.	725 ft.
Access Tone	PL 123.0 Hz	PL 123.0 Hz	PL 123.0 Hz	PL 123.0 Hz	DMR Color Code 1

**EchoLink Node 809821**

Our connection to the DMR bridge was lost and we reconfigured our DMR repeater to the Brandmeister server. Some of the talk groups use different TG numbers, so your code plug needs to be edited to get connectivity. The table below gives you the information needed for the change.

CFMC typical DMR user configuration using Brandmeister server. BM TG numbers: <a href="https://www.pistar.uk/dmr_bm_talkgroups.php">https://www.pistar.uk/dmr_bm_talkgroups.php</a>				
TS	TG	NAME	CALL	COMMENTS
2	2	CIN-DAY	Group	CFMC, Hamilton, Middletown, Edge- CFMC Repeater only Static ID, on all the time
2	9	LOCAL	Group	
2	3139	OHIO	Group	
1	91	World-Wide	Group	
1	93	N America	Group	
1	3169	Mid West	Group	
1	310	TAC-310	Group	
1	311	TAC-311	Group	
1	9990	Parrot	Private	Repeats your voice



Ken, W8LTT, is installing a TYT MF-9600 dual band transceiver in his Tesla Model S. It is the same radio he had in his Toyota Highlander. There are several challenges due the car being unconventional. The all glass top prevents a roof magnet mount antenna he used on Toyota. The newer Model S doesn't have a lead-acid 12 volt accessories battery, it has a lithium 16 volt battery, that measures about 15.4 volts.

Power problem was solved by installation of an inexpensive buck/boost device to reduce voltage to 13.6 volts. Upon hooking it to the radio for testing it worked as expected, but revealed a tag on the power cord that showed power requirement. 13.6 volts DC +15%. I hadn't noticed that before and perhaps radio will tolerate the 15.4 volts after all.

Antenna problem solved by a through-glass antenna to be mounted on fixed side window on drivers side. It includes an interesting counterpoise mounted inside. When antenna arrives, I'll finish this report in next issue. Pictures included.

Installation of an HF radio in an electric vehicle would be problematic, especially if you expected to listen while driving. The inverters driving the motors, the motors themselves and with the regeneration that engages when slowing generate a lot of noise. This as so bad they don't even offer an AM radio for the car. Operation while parked would be fine, until the DC to DC charger kicked in to charge the small battery from the high voltage battery.

## CFMC General Meeting Minutes

December 6, 2023

### Attendance:

WA8FOZ, Bill Klykylo                      KA8HXR, Richard Turner

KD8JWN, Bob Shokler                      W8LTT, Ken Irwin

K8FR, Fred Ruzick

Call to order by KD8JWN, 7:40 PM

Minutes of October and meetings approved. FOZ?FR

Treasurer's Report approved: FOZ?FR

Membership reports: 22 dues-paid members , 6 renewals so far

Old Business: QCEN Holiday Party, 12/15/2023

New business: new alarm system in CTI Building

Motion to adjourn FOZ/FR

Adjourned 7:58 PM

Respectfully submitted,

Bill Klykylo, WA8FOZ, Vice President

## EXECUTIVE COMMITTEE — CINCINNATI FM CLUB 2022-2023

<b>President:</b>	Bob Shokler	KD8JWN	513-931-2292	<a href="mailto:rshokler@cinci.rr.com">rshokler@cinci.rr.com</a>
<b>Vice President:</b>	Bill Klykylo	WA8FOZ	513-522-0593	<a href="mailto:klykylo1@cs.com">klykylo1@cs.com</a>
<b>Secretary:</b>	Mike Head	N2HTE	315-427-9132	<a href="mailto:MJH@headmgmt.com">MJH@headmgmt.com</a>
<b>Treasurer:</b>	Richard Turner	KA8HXR	513-221-5707	<a href="mailto:rt_turner@hotmail.com">rt_turner@hotmail.com</a>
<b>Director: 2020-2023</b>	Al Gerth	WA8VBP	513-677-3837	<a href="mailto:algerth@gmail.com">algerth@gmail.com</a>
<b>Director: 2021-2024</b>	Don Thie	W9OBQ	513-923-4013	<a href="mailto:W9OBQ@arrl.net">W9OBQ@arrl.net</a>
<b>Director: 2022-2025</b>	Bill Klykylo	WA8FOZ	513-522-0593	<a href="mailto:klykylo1@cs.com">klykylo1@cs.com</a>
<b>Station Trustee:</b>	Bob Conrad	W8SCK	513-300-6700	<a href="mailto:bob@heavenwire.net">bob@heavenwire.net</a>
<b>Webmaster:</b>	Richard Kuns	KC8TW	513-907-5848	<a href="mailto:rkuns@one.net">rkuns@one.net</a>
<b>Membership:</b>	Fred Ruzick	K8FR	513-543-4536	<a href="mailto:K8FR@arrl.net">K8FR@arrl.net</a>
<b>Editor SPARK:</b>	Ken Irwin	W8LTT	513-608-1898	<a href="mailto:sailorirwin@gmail.com">sailorirwin@gmail.com</a>

### CFMC members

WB8NUT	J. Duffy	Beischel
W8SCK	Robert C.	Conrad
W3TFI	Bob	Crownover
KE8BHC	Leanne	DeForest
WB9CPU	David	DeForest
W8YML	John	Dumont
N8DER	Eric	Duval
KC8KKC	Barry E	Franz
WA8VBP	Allen	Gerth
N2HTE	Michael	Head
W8LTT	Kenneth J.	Irwin
KA8YRN	Dennis J.	Jones
WA4HCC	Charles N.	Kaeff
WA8FOZ	William M.	Klykylo MD
KC8TW	Richard	Kuns
W8AUV	John	Maier
K8FR	Fred M.	Ruzick
WW8ZZ	Alan	Schauer
K8OP	Hep	Shockley
KD8JWN	Robert L	Shokler
W9OBQ	Donald R	Thie
KA8HXR	Richard	Turner