



THE SPARK

August, 2021

Home of the Cincinnati Repeater System

Cincinnati, Ohio

Great news this issue! First, Mobilcomm has given permission to hold our in-person meetings at Mobilcomm, 1211 Sharon Rd. at 7:30 PM on the first Wednesday of even months. We will see you there on August 4th.

Second, news on our Mount Repose station and a possible new one near Middletown expanding our 88 repeater coverage.

Come to the meeting and learn the great news and how simulcasting and microwave will be part of the solution. Also Mobilcomm's DMR guru will be there, so bring your DMR HT.



We are finally back to meeting at Mobilcomm. It will be great to eyeball everyone once again.

Our new antenna has been installed on the new Mount Repose tower at the 370' level. The HAAT (Height Above Average Terrain) is 558'. Jeff Powell KD8GHP from Mobilcomm called me that the voting receiver is ready to be reinstalled. He then told me he has accumulated enough equipment to simulcast transmitters on all sites. Are we interested? I answered with an enthusiastic YES!

Jeff and Dan Woodie KC8ZUM set up the equipment in the Mobilcomm system staging area and it is ready to be installed. Harold Blocker W4VOA found two duplexers to complete the system. The new system will be on display at our August meeting. So far, we have zero equipment cost for the new system. I have applied for coordination on both sites.

We will need to determine where we want to park our 147.63/03 repeater which is now at Taylor Mills, KY.

To top off the evening Will, our DMR guru, will be at the meeting. Bring your DMR portable.

Bob Conrad, Trustee W8SCK

Cincinnati FM Club

Regular Meeting, held on-the-air

June 2, 2021, 1930 EST

Net Control: Bill, WA8FOZ

Check-ins:

KD8JWN, Bob, President

WA8FOZ, Bill, Secretary

W8LTT, Ken, SPARK Editor

KE8SBD, Brian

N8WLY, Stewart

Approval of Minutes: Motion W8LTT/KD8JWN. accepted

Old Business

Nomination Committee report modification: Vice President, Howie Hunt, NG8P; Operations (temporary) KD8JWN

New Business

N8WLY: R&L Electronics, reopening for on-site business, June 2!

Articles and other submissions for the SPARK are welcomed!

Motion to Adjourn: W8LTT/ WA8FOZ: accepted.

Dismissal 1946 EST

Respectfully submitted,

Bill Klykylo, WA8FOZ, Secretary



Cincinnati FM Club On-the-air Net

July 7, 2021, 2100 EST

Net Control: Don, W9OBQ

Check-ins:

KD8JWN, Bob, President	WW8ZZ, Alan
WA8FOZ, Bill, Secretary	WA8VBP, Al (Echolink)
KA8HXR, Richard, Treasurer	NG8P, Howie
W8LTT, Ken, SPARK Editor	W8JDP, Joel
K8FR, Fred, Membership Chair	KD8MMY, John
W8SCK, Bob, Trustee	KD8GHP, Jeff Powell, Senior Technician, Mobilcomm
WB8TYD, Brian	

Items discussed:

- NG8P: Monix picnic July 17 @ Franklin Lions Memorial Park (more info at monix.net)
- W8SCK & KD8GHP: New technology for 28/88 repeater (IP communication from remote receivers, multisite transmitter simulcasting; to be discussed elsewhere in the SPARK and at the August meeting)

RETURN TO LIVE MEETINGS AT MOBILCOMM! Our August meeting will be held at Mobilcomm, 1211 Sharon Road, Greenhills, Ohio at 7:30 PM

Dismissal 2137 EST.

Respectfully submitted,
Bill Klykylo, WA8FOZ, Secretary



Worried about radiation using a handheld transceiver close to head?

Electromagnetic radiation in the VHF and UHF frequencies is non-ionizing and likely won't cause cancer. The effect of this radiation on tissue is heating. At a 5 or 6 watt power level, even that is minimal. Probably the organ most susceptible is the eyes. Usually the duty cycle is so short not to matter. If you are long winded and concerned, the simplest solution is to use a separate speaker-microphone and leave the transceiver on your belt.

Please submit your dues NOW
For your 2021 CFMC membership renewal!

CINCINNATI FM CLUB

2021 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 _____
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 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)

**2021 Membership renewals are now
being accepted.**

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 October edition is Monday, September 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, September 1, 2021.

The regular meeting at Mobilcomm is at 7:30 PM on August 4, 2021.

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

CFMC Repeater System

"88" System

Location	GREENHILLS	MT. REPOSE	TAYLOR MILL	TAYLOR MILL	GREEN HILLS
Frequency	146.88	Down	146.28	147.03	443.40
Offset	-0.6	R/O	R/O	+0.6	+5.0
Antenna Height	735 ft.	370 ft.	405 ft.	405 ft.	735 ft.
A.M.S.L.	1541 ft.		1225 ft.	1225 ft.	1541 ft.
H.A.A.T.	825 ft.	558 ft.	496 ft.	496 ft.	825 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



EXECUTIVE COMMITTEE — CINCINNATI FM CLUB 2019-2022

President:	Bob Shokler	KD8JWN	931-2292	rshokler@cinci.rr.com
Vice-President:	TR Stoner	WR4T	474-5659	wr4t@yahoo.com
Secretary:	Bill Klykylo	WA8FOZ	522-0593	klykylo1@cs.com
Treasurer:	Richard Turner	KA8HXR	221-5707	rt_turner@hotmail.com
Director: 2018-2020:	Kitty Hevener	W8TDA	471-8866	W8TDA@arrl.net
Director: 2019-2021:	Bill Klykylo	WA8FOZ	522-0593	klykylo1@cs.com
Director: 2019-2022:	Jim Bunning	KD8HXP	769-0140	jabunning@fuse.net
Station Trustee:	Bob Conrad	W8SCK	756-9425	bob@heavenwire.net
Operations:	Howie Hunt	NG8P	825-4480	
Webmaster:	Richard Kuns	KC8TW	907-5848	rkuns@one.net
Membership:	Fred Ruzick	K8FR	543-4536	K8FR@arrl.net
Editor SPARK:	Ken Irwin	W8LTT	608-1898	W8LTT@arrl.net

Cincinnati FM Club

Treasurer's Report

July 9, 2021

Beginning Checking Balance	\$10,308.68
Expended Mobilcomm	32.24
Received Membership dues	60.00

Ending Checking	\$10,336.34

Respectfully,

Richard KA8HXR

CFMC Treasurer

Band Plan for the 2 Meter Band (144.0—148.0 MHz)

144.00-144.05	EME (CW)
144.05-144.10	General CW and weak signals
144.10-144.20	EME and weak-signal SSB
144.200	National calling frequency
144.200-144.275	General SSB operation
144.275-144.300	Propagation beacons
144.30-144.50	New OSCAR subband
144.50-144.60	Linear translator inputs
144.60-144.90	FM repeater inputs
144.90-145.10	Weak signal and FM simplex (145.01,03,05,07,09 are widely used for packet)
145.10-145.20	Linear translator outputs
145.20-145.50	FM repeater outputs
145.50-145.80	Miscellaneous and experimental modes
145.80-146.00	OSCAR subband
146.01-146.37	Repeater inputs
146.40-146.58	Simplex
146.52	National Simplex Calling Frequency
146.61-146.97	Repeater outputs
147.00-147.39	Repeater outputs
147.42-147.57	Simplex
147.60-147.99	Repeater inputs

Notes: The frequency 146.40 MHz is used in some areas as a repeater input. This band plan has been proposed by the ARRL VHF-UHF Advisory Committee.

Band Plan for the 70 Centimeter Band (420.0—450.0 MHz)

420.00-426.00	ATV repeater or simplex with 421.25 MHz video carrier control links and experimental
426.00-432.00	ATV simplex with 427.250-MHz video carrier frequency
432.00-432.07	EME (Earth-Moon-Earth)
432.07-432.10	Weak-signal CW
432.10	70-cm calling frequency
432.10-432.30	Mixed-mode and weak-signal work
432.30-432.40	Propagation beacons
432.40-433.00	Mixed-mode and weak-signal work
433.00-435.00	Auxiliary/repeater links
435.00-438.00	Satellite only (internationally)
438.00-444.00	ATV repeater input with 439.250-MHz video carrier frequency and repeater links
442.00-445.00	Repeater inputs and outputs (local option)
445.00-447.00	Shared by auxiliary and control links, repeaters and simplex (local option)
446.00	National simplex frequency
447.00-450.00	Repeater inputs and outputs (local option)