



THE

SPARK

April, 2021

Home of the Cincinnati Repeater System

Cincinnati, Ohio

COVID-19 continues to limit in person activities. As more get vaccinated and new infections decline, government guidelines should permit more group activity. We are hopeful we will soon have our meetings at Mobilcomm. Meanwhile, we do what we must.



Several individuals have incorrectly reported that the proposed fees for amateur Radio licensing have taken effect.

"The effective date for new amateur radio fees has not yet been established. The FCC explicitly states in the published Notice (at p.15061, para. 44, <https://tinyurl.com/y52ff2zy>) that the fees "will not take effect until the requisite notice has been provided to Congress, the FCC's information technology systems and internal procedures have been updated, and the Commission publishes notice(s) in the Federal Register announcing the effective date of such rules." I expect that the effective date will be some time this summer, but in any event we will have advance notice".

Dues for 2021 are due now. Current members or amateurs requesting new membership will have to submit their dues by mail. Included in this Spark is the 2021 Membership Renewal/Application form. If just renewing, you do not have to submit this whole form but make sure your name or call is on your check or money order made out to Cincinnati FM Club. If you are applying as a new member, please complete the form before submitting.

Cincinnati FM Club

On-the-air Net

March 3, 2021, 2100 EST

Net Control: Don, W9OBQ

Check-ins:

KD8JWN, Bob, President

WA8FOZ, Bill, Secretary

KA8HXR, Richard, Treasurer

W8LTT, Ken, SPARK Editor

K8FR, Fred, Membership Chair

W8OUU, Jim

W3TFI, Bob

KD8MMY, John

KE8MEP, Phil

WB9SBI, Ron (Welcome guest, Connersville, IN)

WA8VBP, Al (Echolink)

The club expresses its condolences to Jim, W8OUU and Ken, W8LTT on the loss of their spouses.

Dismissal 2120 EST.



Cincinnati FM Club Treasurer's Report March 5, 2021

Beginning Checking Balance	\$10,301.14
Expended Mobilcomm	20.12
Received Membership dues	40.00

Ending Checking	\$10,321.02

Respectfully, Richard KA8HXR

CFMC Treasurer

Cincinnati FM Club
On-the-air Meeting
February 3, 2021, 1930 EST
Net Control: Don, W9OBQ

Check-ins:

KD8JWN, Bob, President
WA8FOZ, Bill, Secretary
KA8HXR, Richard, Treasurer
W8LTT, Ken, SPARK Editor
K8FR, Fred, Membership Chair
NG8P, Howie
W8OUU, Jim
KE8ORQ, Doug
W3TFI, Bob
KD8MMY, John
KE8MEP, Phil

Approval of Minutes: Motion K8FR, accepted

Approval of Treasurer's Report: Motion WA8FOZ, K8FR, accepted

Membership report: new member KI6FCW

Old Business

Acceptance of new Mt. Repose remote receiver site for 28/88 repeater, purchase of antenna, cable, and necessary accessories, and authorization of labor costs. Described in Feb 2021 SPARK. Motion W8LTT/ Second WA8FOZ. Passed.

New Business

Articles and other submissions for the SPARK are welcomed!

Dismissal 2100 EST

Respectfully submitted,
Bill Klykylo, WA8FOZ, Secretary

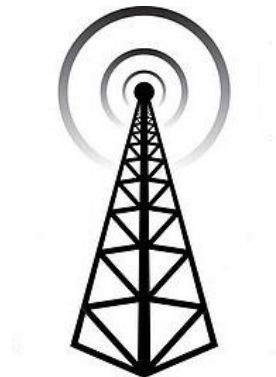
Mt. Repose

I had asked Bob about the antenna. Isn't the antenna just a receiving antenna, and shouldn't it be configured as an omni antenna to service that area? Why does it need to favor Green Hills? It's the yagi that talks to Green Hills.

He answered:

The Mount Repose site's main purpose is for portables. The difference between a 5 watt portable and the 100 watt base station transmit power is about 12db. The difference between a 25 watt mobile and the base station 100 watt transmit power is about 6db. By pointing all the elements towards Greenhills the antenna gain goes from 6db to 9db. Or, it makes a 5 watt portable in the direction of Greenhills look like it is running 10 watts, or 50 watts in the case of a mobile. Since Mount Repose is getting near the end of the transmitter range we do not need a lot of additional receiving range off the back side of the tower. In other words, it gives the portables and mobiles more solid coverage in our primary coverage area. In real life terms, 6db is the difference between a very noisy signal and an almost full quieting signal.

We are no longer going to use a yagi for transmitting back to Greenhills on 440 Mhz. Instead, we will use a 60db isolation duplexer so we can transmit on the receiving antenna on the tower. The quarter wave elements on 140 Mhz are 3 quarter on 440 Mhz. The SWR should be low. The \$60 duplexer saves us the cost of a yagi antenna, 100' of transmission line and the labor to install them. Mobilcomm plans to put microwave on the sight in the near future at which time we will switch over to that for the back haul in place of the 440 Mhz transmitter.



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 June edition is Thursday, May 20 for material submitted for publication or copied from other sources. Articles may be edited for clarity and length.

Meetings at Mobilcomm are suspended because of COVID-19 pandemic. An on-the-air meeting on 146.28/146.88 Mhz will be held in its place at 7:30 PM, June 2, 2021.

The regular on-the-air meeting on 146.28/146.88 Mhz is at 2100 hours July 7, 2021.

BE SURE TO MARK YOUR CALENDARS!

Go to <http://cfms.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	+0.6	+5.0
Antenna Height	735 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.		496 ft.	496 ft.	825 ft.
Access Tone	PL 123.0 Hz		PL 123.0 Hz	PL 123.0 Hz	DMR Color Code 1
EchoLink Node 809821					



EXECUTIVE COMMITTEE — CINCINNATI FM CLUB 2019-2020

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:	Jim Benson	W8OUU	825-1254	W8OUU@hotmail.com
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

It was reported by ARRL that the proposed new Amateur Radio license fee has been set at \$35, rather than \$50. They realize the process is largely automated.