

February 2022
2022 Edition 2



Mount Vernon Amateur Radio Club

Club Meetings

MVARC meeting is held on the 2nd Monday of each month at 7:00 pm. The next club meeting is February 14, 2022.

Meeting Location:

Zoom Meeting

- Zoom information on page 2.

Visit us on Facebook:

Mount Vernon Amateur Radio Club

Visit our Webpage:

<https://MVARC.net>

Inside this issue

MVARC Information	1
Zoom Meeting Information	2
Meeting Minutes	3
ARES	3
Miscellaneous Rambling	3
ARRL Radiogram	4
ARRL Radiogram Form	6
MVARC Calendar	7
Final Takeaway	8
Sample Test Questions	9
Misc. Amateur Info	10
Quick Updates	11
MVARC Membership Form	12
Sample Test Question Answers ..	13
Editors Notes	13

MVARC Repeaters

K8EEN VHF Repeater
146.790 MHz
- 600KHz / PL = 71.9 Hz
K8EEN-R Echolink Node:
809800
K8EEN UHF Repeater
444.600 MHz
+5 MHz / PL = 71.9 Hz

Contact Us

MVARC
PO Box 372
Mount Vernon, OH
43050

Email

MVARC.K8EEN@gmail.com

MVARC

President
Frank Counts, KC8EVS

Vice President
Barry Butz, N8PPF

Secretary
Bill Stroud, KD8WHQ

Treasurer
Terry Windsor, KI8N

Club Call Trustee
Don Russell, W8PEN

Equipment Trustee
Barry Butz, N8PPF

Directors
Michael Jacobs, KE8HGE
Arlin Bradford, KD8EVR
Roger Gorrell, KE8ICI
Steve Harvey, N8RLW
Scott Yonally, N8SY

Newsletter Editors
Frank Counts, KC8EVS
Terry Windsor, KI8N

Join Zoom Meeting

<https://us02web.zoom.us/j/86740517954?pwd=Nm1jSjJ6VmRwaS8zTm5rZlZlbDFhdz09>

Meeting ID: 867 4051 7954

Passcode: 385329

To connect via telephone...

Dial by your location
1 312 626 6799 US (Chicago)
Meeting ID: 867 4051 7954
Passcode: 385329

NOTE: this is the same Zoom link and information that was emailed to all members on 1/07/22.



January Meeting Minutes

NO MINUTES RECEIVED FROM THE JANUARY MEETING.

ARES

Bill Stroud
KD8WHQ



ARES

Annual ARES Conference on Marion the first Saturday in April is still up in the air.

NVIS

NVIS is the 3rd Saturday in April but no information has been sent out. If we have we will have to decide if we do it in person or everyone can work from home.

Training

WE are working on a desktop exercise. Taking a little long than I thought to put it together. I should have a draft done by the next meeting.

If you wish to take ICS-100, ICS-200, IS-700, and IS-800, they can be taken virtually: [Emergency Management Institute - National Incident Management System \(NIMS\) \(fema.gov\)](https://www.fema.gov/emergency-management-institute-national-incident-management-system-nims)

Miscellaneous Rambling

Terry Windsor
KI8N



Membership dues for 2022 are due at the end of the year.

As of the end of January unpaid members were dropped from the membership roll

and will not be receiving an email link to this newsletter.

The latest version of the membership listing is posted on the MVARC web page. Click on Member Pages, log in, and Members Listing.

Once again pandemic paranoia has taken hold and all in person events have been cancelled. Amazingly enough everyone can go to hardware stores, grocery stores, and sporting events but it is verboten to attend a meeting in person. I am personally all zoomed out having attended too many of these events in the last 18 months. I do not anticipate participating in future Zoom events.

You have probably noticed that this newsletter is very short on content. I did not receive the meeting minutes, President's notes or any input from other members. Need your help to make the newsletter interesting or valuable to members.

Finally, I checked on anticipated IC-7300 shipment date from Icom since it did not arrive in January and they stated it is expected to ship as soon as they get them in stock. A check of all retailers as of this writing showed no one has them available. Until next month; "Ham It UP!"

ARRL Radiogram

With the renewed talk of reviving ARES with in the club it is time to start reviewing the basic message forms. The first form to go over is the standardized ARRL Radiogram and its message format.

Here are a couple of references that show how to fill out the Radiogram and give the correct information that goes into each block.

- [ARRL Radiogram Message format in a PDF document.](#)
- [Radiogram formatting from the ARRL Ohio Section Web page](#)

The ARRL radiogram consists of **GROUPS** in the **Preamble, Address and its Op Note, Text, and Signature and its Op Note.** Note the example below with the colored areas within the squares that correspond to the colored text items.

These groups consist ONLY of three possible character types: LETTERS (all upper case), FIGURES, and/or SLASHES (/). The slash is used to separate characters within a group, but may be the first or last character if needed. It is not usually used as a group by itself.

Please familiarize yourself with the Radiogram format, how to fill it out, and how to deliver to the intended person. Last month we went over the Preamble fields so this month lets begin with the content in the To, TXT and Sig fields—these are the boxes in the image highlighted in Green and Blue.

PREAMBLE (1)							
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]
NR 1	PREC R	HX HXE	STN ORIG WIAW	CK 12	PLACE OF ORIG NEWINGTON CT	TIME FILED 1830Z	MON DY JUL 1
(2) TO		DONALD R SMITH 164 EAST SIXTH AVE RIVER CITY MD 00789			THIS RADIO MESSAGE WAS RECEIVED AT:(9) AMATEUR STATION _____ TEL _____ NAME _____ STREET ADDRESS _____ CITY,STATE,ZIP _____		
TEL		301 555 3470			OP NOTE (2,4)		
TXT (3)							
THANKS		FOR		MESSAGE		X	
TO		SEE		YOU		AT	
X		73				HOPE HAMFEST	
SIG (4) DIANA OP NOTE (4,2)							
RCVD FROM		NET		DATE/TIME		SENT TO	
(5) WD3W		MEPN		012215Z JUL 91		(6) KD3JK MDD 012308Z JUL 91	
(7) ORIG - FROM - DATE/TIME				(8) DLVD - TO - DATE/TIME			
Name				Name			
Addr				Addr			
City				City			
TEL				TEL			

To Fields

Addressee—The full name of the addressee.

Street Address—Enter the full street address. Also enter the institution name if applicable. Use figures, street name (spell out east, west, north, south) and apartment or unit number. Sections of a city, as in SE or SW are usually left abbreviated.

City, State, Zip—Enter the city name and state (using two letter abbreviations and zip code. Nine digit zip codes are written with a spelled dash. I.e. 43050 DAST 0372.

Telephone Number—Written as three groups of digits with no punctuation. i.e. 123 456 7890.

Address Op Note—An OP NOTE may be inserted after the telephone figures, before the text, relating to handling and/or delivery matters. The words “OP NOTE” are used to introduce this information when transmitting the message. OP NOTES are optional, and are generally not considered part of the message to be delivered to the addressee. They are primarily for use by the handling operators.

E-Mail—Enter the addressees' full email address. K8EEN AT MVARC DOT NET.

Punctuation—Punctuation is not used in the addressee section. The only exception in general use is the symbol "/", sometimes used to separate parts of a street address, group, or institution name. If a DASH or HYPHEN is required, it is spelled out to avoid conflict with prosigns used in the transmission process:

Text Fields

Text—The text contains the actual message information authorized by the person for whom the message was originated. Note that the amateur does not originate messages for a

person without permission from that person! The text is entered in section 3 of the message form. (When transmitting a message, the text is separated from the preceding address, and the signature to follow, by the use of the word "BREAK" on voice, the prosign <BT> on CW, to allow the receiving operator to know its beginning and end. BREAK and <BT> are not counted as groups.)

The text is divided into word "groups", five to a line for easy counting, and is usually limited to 25 words or less.

Punctuation—Punctuation is not used in the text section except as follows:.

/: The slash, "/", is used to separate characters within a group, as in 304/BA. Since the "/" is part of the group it does not qualify as a separate group for the check. Although usually not used as a group by itself (a space on the left and on the right), if so used it would be counted in the check.

X: The letter "X" used to denote a period. The letter "X" is never used as the last group of the text. The "X" is a separate group and IS counted for the check.

R: The letter "R" is used in place of a decimal in mixed figure groups, as in 7013R5 (7013.5), or 146R670 (146.670). Since the "R" is part of the group it does not qualify as a separate group for the check. (The inclusion of the "R" makes the group a "mixed group" for transmission on voice.)

Now it is your turn to review the form and become familiar with filling it out.



ARRL — the national association for Amateur Radio™



RADIOGRAM

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
--------	------------	----	-------------------	-------	-----------------	------------	------

TO

THIS RADIO MESSAGE WAS RECEIVED AT

AMATEUR STATION _____	PHONE _____
NAME _____	E-MAIL _____
STREET _____	
CITY, STATE, ZIP _____	

PHONE NUMBER

E-MAIL

_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

FROM	DATE	TIME	TO	DATE	TIME
------	------	------	----	------	------

REC'D

SENT

This message was handled at no charge by a licensed Amateur Radio operator, whose address is shown in the box at right above. No compensation can be accepted by a "ham" operator. A return message may be filed with the "ham" delivering this message to you. Further information on Amateur Radio may be obtained from ARRL Headquarters, 225 Main Street, Newington, CT 06111 or www.arrl.org.

The ARRL is the national association for Amateur Radio and the publisher of *QST* magazine. One of its functions is promotion of public service communication among Amateur Radio operators. To that end, the ARRL has organized the National Traffic System for daily nationwide message handling.

1320 2/11



ARRL — the national association for Amateur Radio™



RADIOGRAM

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
--------	------------	----	-------------------	-------	-----------------	------------	------

TO

THIS RADIO MESSAGE WAS RECEIVED AT

AMATEUR STATION _____	PHONE _____
NAME _____	E-MAIL _____
STREET _____	
CITY, STATE, ZIP _____	

PHONE NUMBER

E-MAIL

_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

FROM	DATE	TIME	TO	DATE	TIME
------	------	------	----	------	------

REC'D

SENT

This message was handled at no charge by a licensed Amateur Radio operator, whose address is shown in the box at right above. No compensation can be accepted by a "ham" operator. A return message may be filed with the "ham" delivering this message to you. Further information on Amateur Radio may be obtained from ARRL Headquarters, 225 Main Street, Newington, CT 06111 or www.arrl.org.

The ARRL is the national association for Amateur Radio and the publisher of *QST* magazine. One of its functions is promotion of public service communication among Amateur Radio operators. To that end, the ARRL has organized the National Traffic System for daily nationwide message handling.

1320 2/11

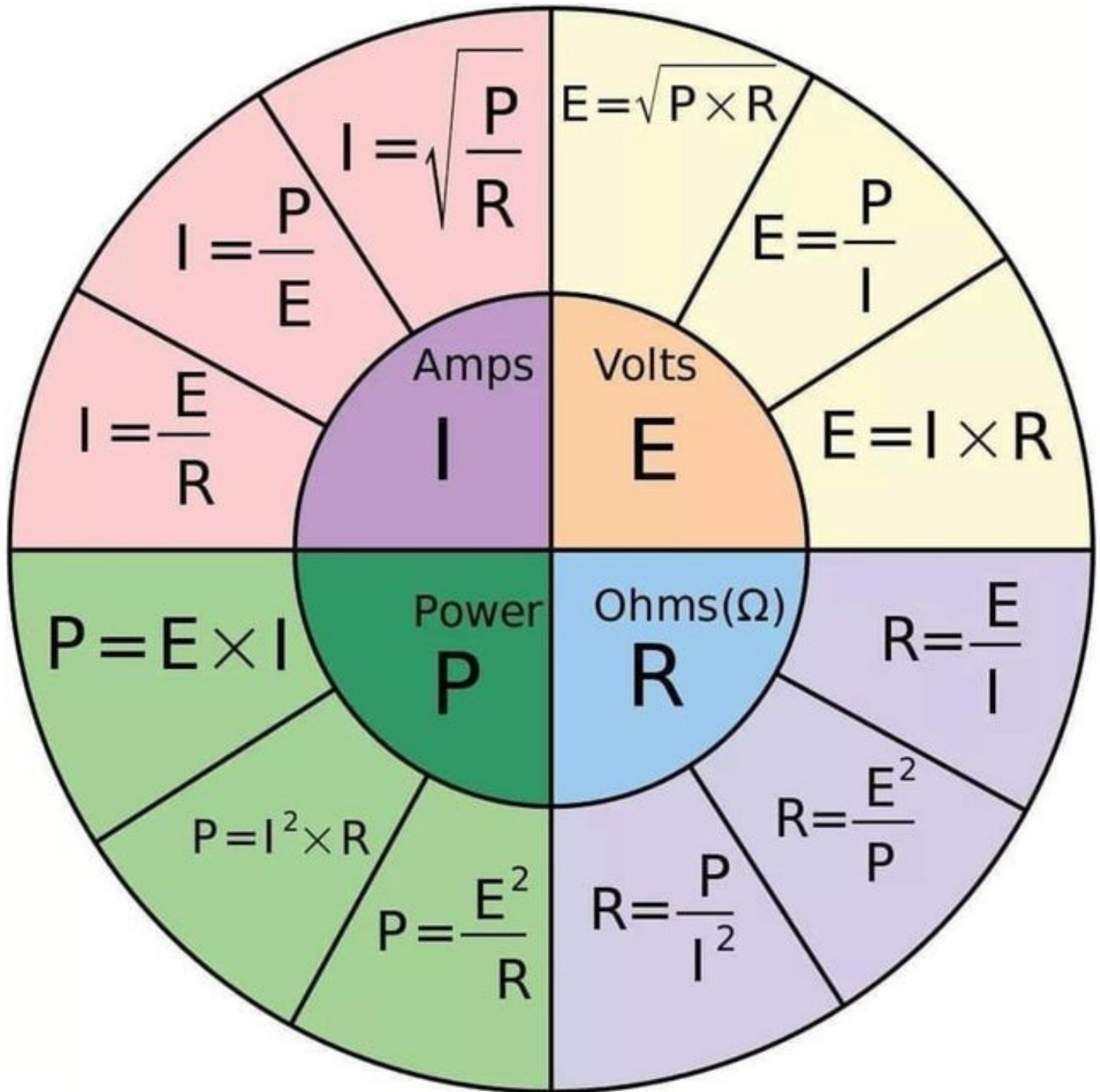
February 2022



		Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6 9:00 PM ARES Sunday Night Net — Don Russell (W8PEN)	7	8	9 4:45 PM Dinner - Southside Diner	10	11 10:00 AM Via Zoom.	12
13 9:00 PM ARES Sunday Night Net—G. M. Jacobs (KE8HGE)	14 7 PM Zoom Meeting—See page 2 for info Valentines Day	15	16 4:45 PM Dinner - Southside Diner	17	18 10:00 AM Via Zoom.	19
20 9:00 PM ARES Sunday Night Net— Roger Gorrell (KE8ICI)	21 President's Day	22	23 4:45 PM Dinner - Southside Diner	24	25 10:00 AM Via Zoom.	26
27 9:00 PM ARES Sunday Night Net— Arlin Bradford (KD8EVR)	28					

Final Takeaway

Ohms Law Wheel



General Exam Sample Test Questions:

G1C12 Which of the following is required by the FCC rules when operating in the 60-meter band?

- A. You must keep a record of all third-party traffic
- B. You must keep a record of the manufacturer of your equipment and the antenna used
- C. You must keep a record of the date, time, frequency, power level, and stations worked
- D. If you are using an antenna other than a dipole, you must keep a record of the gain of your antenna

G9B01 What is one disadvantage of a directly fed-random wire HF antenna?

- A. It must be longer than 1 wavelength
- B. You may experience RF burns when touching metal objects in your station
- C. It is more effective on the lower HF bands than on the higher bands
- D. It produces only vertically polarized radiation

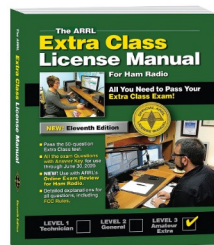
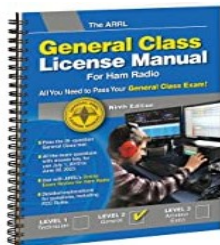
Extra Class Exam Sample Test Questions:

E1F11 Which of the following best describes one of the standards that must be met by an external RF power amplifier if it is to qualify for a grant of FCC certification?

- A. It must satisfy the FCC's spurious emission standards when operated at the lesser of 1500 watts or its full output power
- B. It must produce full legal output when driven by not more than 5 watts of mean RF input power
- C. It must exhibit a gain of 0dB or less over its full output range
- D. It must be capable of external RF switching between its input and output networks

E2C02 Which of the following best describes the term "self-spotting" in connection with HF contest operating?

- A. The often-prohibited practice of posting one's own call sign and frequency on a spotting network
- B. A manual technique for rapidly zero beating or tuning to a station's frequency before calling that station
- C. The acceptable practice of manually posting the call signs of stations on a spotting network
- D. An automatic method for rapidly zero beating or tuning to a station's frequency before calling that station



These test questions are from the current test pools for their respective license classes. How did you do? The answers are on the last page. Practice tests for all license classes can be found here: <https://www.grz.com/hamtest/> The books shown are available from the ARRL for license studying.

Miscellaneous Amateur Radio Information

Join us every Sunday night on the Mt. Vernon 146.79 repeater for our weekly ARES Net. **Check-in starts at 9pm.**

Unable to access the repeater from where you are located? We are on IRLP (EchoLink) - Just look us up.
K8EEN-R Node 809800.

Ohio Traffic Nets

The Ohio Single Side-Band Net (OSSBN)

Ohio Single Side-Band Net; Ohio connection for what is going on in the Ohio Traffic System. The Net meets on 3.972.5 KHz at 10:30 am, 4:15 pm, and 6:00 pm daily. Alternate Frequency for all sessions is 3.968 KHz

Central Ohio Traffic Net

The Central Ohio Traffic Net is a part of the Ohio Section of the National Traffic System. They meet daily to handle traffic; all licensed amateur radio operators are welcome to check in and to learn how to handle traffic. The Net meets daily at 7:15 p.m. local time.

Area Radio Clubs

Delaware Amateur Radio Association: <http://k8es.org/>

Newark Amateur Radio Assoc: <https://www.n8ara.org/>

(Mansfield) InterCity Amateur Radio Club: <https://iarc.club/>

Marion Amateur Radio Club: <http://www.marionhamradio.com/home.html>

The ARRL Ohio Section Newsletter: <https://arrl-ohio.org/news/index.html>

Quick Updates



First-Time Exam Applicants Must Obtain FCC Registration Number before Taking Exam

Effective Thursday **May 20, 2021**, all amateur examination applicants will be required to provide an FCC Registration Number ([FRN](#)) to the Volunteer Examiners (VEs) **BEFORE** taking an amateur exam. This is necessary due to changes the FCC has made to its licensing system.

Social security numbers are no longer accepted at exam sessions.

Amateur candidates who already have an FCC license, whether for amateur radio or in another service, already have an FRN and can use the same number. All prospective new FCC licensees, however, will be required to obtain an FRN *before* the examination and provide that number to the volunteer examiners on the Form 605 license application. An FCC [instructional video](#) provides step-by-step instructions on how to obtain an FRN through the FCC's Commission REgistration System (CORES).

The FRN is required for all new applicants to take an amateur exam and is used afterward by the applicant to download the license document from the FCC Universal Licensing System (ULS), upgrade the license, apply for a vanity call sign, and to submit administrative updates (such as address and email changes) and renewal applications.

In addition, **after June 29, 2021** all applica-

tions will be required to contain an email address for FCC correspondence. Applicants will receive an email direct from the FCC with a link to the official electronic copy of their license whenever a license is issued or changed. ARRL VEC suggests that those without access to email to use the email address of a family member or friend. Licensees will be able to log in to the ULS using their FRN and password to download the latest version of their license at any time. The FCC no longer provides paper license documents.

[Print an Official or Unofficial Copy of Your Amateur Radio License \(By Anthony Luscre, K8ZT\)](#)

As of February 17, 2015, the FCC no longer routinely issues paper license documents to Amateur Radio applicants and licensees. The Commission has maintained for some time now that the official Amateur Radio license authorization is the electronic record that exists in its Universal Licensing System (ULS). The FCC will continue to provide paper license documents to all licensees who notify the Commission that they prefer to receive one. Licensees also will be able to print out an official authorization — as well as an unofficial “reference copy” — from the ULS License Manager. I’ve created a set of instructions on how you can request an “official” printed copy of your license. [Click here to download the instructions](#)

MVARC Membership Form

Club dues run from January 1 to December 31 and are collected the last quarter of the year. You can mail your dues to the address shown below, bring them to a meeting, or give them to any club officer. Visit our web page at www.mvarc.net for further club information.

Regular membership dues are \$20.00. Dues are \$15.00 for those over 65 years of age and additional members in the same family.

Mount Vernon Amateur Radio Club PO Box 372 Mount Vernon, Ohio 43050

Name: _____ Call Sign: _____

Street or PO Box: _____

City: _____ State: _____ Zip: _____

Phone: _____ License Class: _____

Email Address: _____

ARRL Member (Y/N): _____ Donation (Optional) _____

Suggestions for possible meeting programs:

Answers to sample test questions on page 11.

G1C12: D – If you are using an antenna other than a dipole, you must keep a record of the gain of your antenna

G9B01: B – You may experience RF burns when touching metal objects in your station

E1F11: A – It must satisfy the FCC's spurious emission standards when operated at the lesser of 1500 watts or its full output power

E2C02: A – The often-prohibited practice of posting one's own call sign and frequency on a spotting network

Editors Notes



The MVARC Newsletter is delivered to club members only by email link to the MVARC webpage. If you know a member who can not access or is not on this email chain please share this information with them and have them contact the editors.

Frank and I really need to hear from you as to layout, articles, ideas for new content and anything else you would like to read or write about.

Please have all written input to us by the fourth Friday of the month for inclusion into the next monthly newsletter.

Please note the contact email for the MVARC newsletter to MVARC.K8EEN@GMAIL.COM.



The **MVARC CQ** is the official newsletter of the Mount Vernon Amateur Radio Club.