



### FIRESIDE CHAT

The Fireside Chat is held on the first and third Tuesday of the month. This month it is on Tuesday May 4 and Tuesday May 18 at 7:00 p.m. It will be a Webex virtual meeting at:

<https://richardroberts.my.webex.com/meet/rrobert>

The format is open and will be without an agenda or focus. It will be a great opportunity for both new and experienced hams to ask questions and share experiences. 7 people attended the first Chat, please join us!

### POTA EVENT

SEMARC will be operating a POTA event on Sept. 11, details to follow.

### SEMARC BOARD MEETING

Our next meeting for the board is May 11th. We plan to have a virtual meeting. Joe Hibberd will send out an email to all members the day before with instructions on how to join in on the meeting.

### REGULAR MEMBER MEETING

Our next regular member meeting is May 25th. No program has been planned at this time.

[Cont. on page 2](#)

### MINNESOTA BIRTHDAY BASH - ~ **NOTE VENUE CHANGE** ~

May 11 10:00 am - 4:00 pm WØM

[Pioneer Park](#) - Stillwater, MN

South East Metro Amateur Radio Club. 7.250

Certificate. SEMARC, 1655 68th Street West, Inver Grove Heights, MN 55077.

### Stillwater Amateur Radio Club

SARA has graciously welcomed SEMARC members to attend their events, and more...

We will list events and other relevant items here.

[Cont. on page 3](#)

### NOTE FROM THE PREZ, RYC KDØZWM

As the weather warms up, again... it's time to look forward to getting outside for events. Several are on the calendar and we can do more if desired! Radios in the park in Hastings, the Minnesota Birthday Bash, and fox hunts are all in our near future. Field Day will be held in Old Cottage Grove Fire Hall #3 this year and details are coming out very soon. This fall will have more opportunities yet! Grab someone you haven't seen or heard from in a while and get them involved. We're also doing our breakfast's at the North Pole again. So, let's see your faces in person or in our online meetings and let's get back some of our enjoyment!

73's

~ Ryc Lyden, KDØZWM

### VE SESSION REPORT

We had 2 candidates total. 1 did not pass the Technician - went home to hit the books and coming back next session, 1 took the General class and got it.

Last, I am *still* in need of a couple VE's to fill out the teams. Please consider paying it forward and help administer tests. I am looking for Extra class hams, there is a short open book test, and you would help with three tests a year.

Thanks,  
Dan, WDØGUP

**WINTER FIELD DAY**

Sorry 😞, still waiting to hear.

**MEMBER MEETING PROGRAM SURVEY**

The Board is always looking for program ideas for the member meetings. What would you like to see for programs this year? Please send your ideas to Dick Roberts [n0uc@comcast.net](mailto:n0uc@comcast.net) and he will bring your ideas to the Board meeting.

**ARES REPORT**

Just a reminder that our ARES repeater frequencies are 147.180, PL 74.4 in Newport, or PL 100 in Forest Lake.

**WEDNESDAY NIGHT 2M NET**

Our club holds a 2-meter net every Wednesday at 8:00 p.m. It is an informal, but controlled, net on the 146.985 repeater. We are in the need for several alternate Net Control Stations who can fill in when one of the scheduled NCS is not available.

If you are interested, please contact:

Dick Roberts at [n0uc@comcast.net](mailto:n0uc@comcast.net)

**220 MHz REAPEATER**

For those with 220mhz radios. The Twin Cities Repeater Club has a great repeater on 224.540 pl100hz. Net every Sunday evening at 6:30pm.

Joe, W3QLC

**Updated Radio Frequency Exposure Rules Become Effective on May 3**

The FCC has announced that rule changes detailed in a lengthy 2019 [Report and Order](#) (R&O) governing RF exposure standards go into effect on May 3, 2021. The new rules do not change existing RF exposure (RFE) limits but do require that stations in all services, including amateur radio, be evaluated against existing limits, unless they are exempted. For stations already in place, that evaluation must be completed by May 3, 2023. After May 3 of this year, any new station, or any existing station modified in a way



Cont. on page 4

Brian McInerney NØBM recently took the Metro Skywarn Spotter training. He has provided a copy of the training slides for the club website. You may view them at the "Special Projects" webpage at [www.semarc.org/files/MetroSkywarnTraining2021.pdf](http://www.semarc.org/files/MetroSkywarnTraining2021.pdf).

Thanks,  
Brian NØBM

**THE DIGITAL CORNER**

Digital Net follows SEMARC net on Wed pm. Go to [www.w1hkj.com](http://www.w1hkj.com) for software & help.

Fldigi v. 3.23.09	Flmsg v. 2.0.17
Flamp v. 2.1.03	Flwrap v. 1.3.4

Meet on 146.985 and QSY to 144.950. Mode is BPSK125. Other modes possible.

Sign up with NØUC [n0uc@comcast.net](mailto:n0uc@comcast.net) for net bulletins & help.

**SEMARC VE Sessions**

VE exam sessions are held every 3rd Saturday. The next VE session is on May 15th. Exams are held at 9:00 am at Zion Lutheran Church. Call 651-769-0358 for information, to register or to arrange for special needs. Information is posted on the webpages also. No testing in December.

**Planning Calendar**

- May 11 (T) Board Meeting
- May 15 (S) VE Session
- May 25 (T) Club Meeting
- June 8 (T) Board Meeting
- June 19 (S) VE Session
- June 29 (T) Club Meeting

**South East Metro Amateur Radio Club**  
Dick Roberts, NØUC  
1655 - 68th Street West  
Inver Grove Heights, MN 55077-2222  
651-208-0889

Cont. from page 1 - Stillwater Amateur Radio Club

- [Radios in the Park 2021](#) - 05/20/2021 - 5:30 pm - 8:00 pm
- [Radios in the Park 2021](#) - 06/10/2021 - 5:30 pm - 8:00 pm
- [Radios in the Park 2021](#) - 07/01/2021 - 5:30 pm - 8:00 pm
- [Radios in the Park 2021](#) - 07/22/2021 - 5:30 pm - 8:00 pm
- [Radios in the Park 2021](#) - 08/12/2021 - 5:30 pm - 8:00 pm
- [Radios in the Park 2021](#) - 09/02/2021 - 5:30 pm - 8:00 pm
- [Radios in the Park 2021](#) - 09/23/2021 - 5:30 pm - 8:00 pm
- [Radios in the Park 2021](#) - 05/20/2021 - 5:30 pm - 8:00 pm
- [Radios in the Park 2021](#) - 06/10/2021 - 5:30 pm - 8:00 pm
- [Radios in the Park 2021](#) - 07/01/2021 - 5:30 pm - 8:00 pm
- [Radios in the Park 2021](#) - 07/22/2021 - 5:30 pm - 8:00 pm
- [Radios in the Park 2021](#) - 08/12/2021 - 5:30 pm - 8:00 pm
- [Radios in the Park 2021](#) - 09/02/2021 - 5:30 pm - 8:00 pm
- [Radios in the Park 2021](#) - 09/23/2021 - 5:30 pm - 8:00 pm

[Round Robin Ragchew on the SARA repeater](#) 147.060 - info to access the repeater is here [WØJH Repeater](#)

Tuesday's - 7:00 pm - 8:00 pm      Wednesdays - 9:00 pm - 9:30 pm

### [Social/Special Meetings](#)

Thursday Evenings: Social and informal "Eyeball QSO" sessions from 6PM to 8PM

*Members and non-members WELCOME!*

### Fox Hunting

[Featuring our own WDØGUP !](#)

## OLD TIME RADIO

The second week of April, I was listening on 20 meters and heard a station testing. After a couple of minutes and his ID, I gave him a call, just to let him know he was being heard. As it turned out, he was an old ship/shore radio operator and he was getting ready for Maritime Radio Day (MRD). MRD is a special event commemorating ship and shore radio operators, and has occurred for the past 10 years, usually on the anniversary of the sinking of the Titanic. His QSO caused me to search for info on the event and soon I was brought to [www.amateurradio.eu](http://www.amateurradio.eu), which provided all the info needed.

Describing MRD, this site offered a link to a page that, "tells something of how the world learned of the sinking of the Titanic". Follow that link. It will take you to an article in the Utah Historical Quarterly about the sinking. It is a fascinating story of the reporter who, brazenly, collared Guglielmo Marconi, persuaded their way onto the Carpathia (one of the ships rescuing passengers of the Titanic) and interviewed the Titanic junior radio officer, Harold Bride. Give it a read, really.

Oh, and the QSL card just came from the W2; he managed to work a couple of operators who were shipboard and three who were shore-based. You gotta love ham radio.

Brian NØBM

Welcome to the Washington County ARES website (ARES Unit 163MN01)... Face - to -face ARES activities are in suspension until further notice due to Covid-19....We are entering the TORNADO season; Have your personal home plan ready. The three WORST MONTHS for tornadoes in Minnesota are May (15%), June (37%) and July (25%) according to MN DNR (More Info under News tab)....Check the two ARES Digital Nets in Minnesota and participate; Info under the [Events tab](#) gives details.....60 Meter Interoperability exercises scheduled = see events tab and participate with us!!....The 147.180 Repeater is running at the Newport site (PL 74.4) and Forest Lake site(PL 100); we use this repeater for drills and activations. This covers the entire county and is in our WashCoARES Emergency Communications Plan... Support our Amateur Radio Clubs through your participation.

John Regan KAØYHR

Cont. from page 1 - Updated Radio Frequency Exposure Rules Become Effective on May 3

that's likely to change its RFE profile -- such as different antennas or placement, or greater power -- will need to conduct an evaluation by the date of activation or change.

"In the RF Report and Order, the Commission anticipated that few parties would have to conduct reevaluations under the new rules and that such evaluations will be relatively straightforward," the FCC said in an April 2 Public Notice. "It nevertheless adopted a 2-year period for parties to verify and ensure compliance under the new rules."

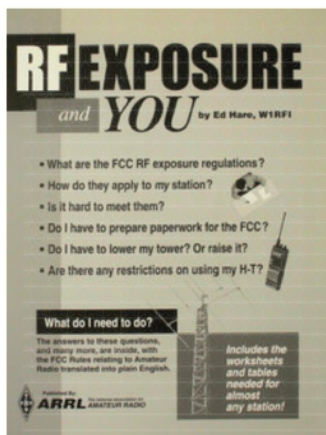
The Amateur Service is no longer categorically excluded from certain aspects of the rules, as amended, and licensees can no longer avoid performing an exposure assessment simply because they are transmitting below a given power level.

"For most amateurs, the major difference is the removal of the categorical exclusion for amateur radio, which means that ham station owners must determine if they either qualify for an exemption or must perform a routine environmental evaluation," said Greg Lapin, N9GL, Chair of the ARRL RF Safety Committee and a member of the FCC Technological Advisory Council (TAC).

"Ham stations previously excluded from performing environmental evaluations will have until May 3, 2023, to perform these. After May 3, 2021, any new stations or those modified in a way that affects RF exposure must comply before being put into service," Lapin said.

The December 2019 RF R&O changes the methods that many radio services use to determine and achieve compliance with FCC limits on human exposure to RF electromagnetic fields. The FCC also modified the process for determining whether a particular device or deployment is exempt from a more thorough analysis by replacing a service-specific list of transmitters, facilities, and operations for which evaluation is required with new streamlined formula-based criteria. The R&O also addressed how to perform evaluations where the exemption does not apply, and how to mitigate exposure.

Amateur radio licensees will have to determine whether any existing facilities previously excluded under the old rules now qualify for an exemption under the new rules. Most will, but some may not.



Click image to download  
Safety Manual

"For amateurs, the major difference is the removal of the categorical exclusion," Lapin said, "which means that every ham will be required to perform some sort of calculation, either to determine if they qualify for an exemption or must perform a full-fledged exposure assessment. For hams who previously performed exposure assessments on their stations, there is nothing more to do."

The ARRL Lab staff is available to help amateurs to make these determinations and, if needed, perform the necessary calculations to ensure their stations comply. ARRL Laboratory Manager Ed Hare, W1RF1, who helped prepare ARRL's RF Exposure and You book, explained it this way. "The FCC did not change any of the underlying rules applicable to amateur station evaluations," he said. "The sections of the book on how to perform routine station evaluations are still valid and usable, especially the many charts of common antennas at different heights." Hare said ARRL Lab staff also would be available to help amateurs understand the rules and evaluate their stations.

RF Exposure and You is available free from ARRL by clicking the image above. ARRL also has an [RF Safety page](#) on its website.

The ARRL RF Safety Committee is working with the FCC to update the FCC's aids for following human exposure rules -- OET Bulletin 65 and OET Bulletin 65 Supplement B for Radio Amateurs. In addition, ARRL is developing tools that all hams can use to perform exposure assessments.

This Page Intentionally Left Blank To Leave Room For Our Members To Contribute Ham Radio Related Items Of Interest

