



FIRESIDE CHAT

The Fireside Chat is held on the first and third Tuesday of the month. This month it is on Tuesday November 2nd and Tuesday November 16th at 7:00 p.m. It will be a Webex virtual meeting at:

<https://richardlroberts.my.webex.com/meet/rlrobert>

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. Please join us!

SEMARC BOARD MEETING

Our next meeting for the board is November 9th. 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.

Note: No Board Meeting in January

REGULAR MEMBER MEETING

Our next regular member meeting is November 30th. No program has been planned at this time.

Note: No Membership Meeting In December

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Note from the Prez, RYC KDØZWM

I'm very proud of the work that our members have done in putting together a series of events for our club members. From Field Day, Winter Field Day, Parks on the Air (POTA), "Fresh Air", and our special events such as the "Minnesota Birthday Bash" we've given many opportunities for our members and visitors to gather and play. As we look forward to 2022 we again look forward to many events and opportunities. Our goal is to have a special event every month over the late spring to fall. Additionally, we are looking forward to doing projects. These can be your own personal project that you'd like help with or one that each of us can have and keep. This could be done at a club meeting or on a Saturday at the fire station.

Please make an attempt to join us at our meetings at the church or at least our 'Fireside Chat's' during the week. We learn from each other and the camaraderie is great.

Ryc Lyden, KDØZWM, AuxComm

SEMARC Annual Business Meeting

Will be on January 11, 2022. Location to be announced.

The virtual board meeting will meet on the regular schedule for December, but not in January.

MEMBERSHIP RENEWALS 2022

Membership in SEMARC runs from January 1 to December 31.

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Membership meetings are held in **Cottage Grove** at the

Zion Lutheran Church 8500 Hillside Trail South

We meet on the LAST Tuesday of the month at 7:00 p.m. **Except December** New members, especially those who passed one of our VE exam sessions, are encouraged to attend so that we can meet you in person.

We hope to see you there.

(As is our tradition anyone with a birthday in the meeting month is asked to bring cookies or other snack to share.)

NOTICE:

146.985 repeater is out of service for repair and users should switch to the 147.18 South with 74.4 tone or 147.18 north with 100 tone till further notice. Our Wednesday will be held there.

Dick, NØUC

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 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.

INFORMAL CW ROUND-TABLE NET

Every Wednesday evening at 1900 hours on 28.110 MHz

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

THE DIGITAL CORNER

Digital Net follows SEMARC net on Wed pm.

Go to 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 for net
bulletins & help.

New Club members can:

Keep in touch, post amateur related articles, sell amateur related items or asked for help and/or questions of other members.

This is a private network for our member's only and does not allow incoming or outgoing traffic to other networks.

Members will be getting an email requesting them to join and they can opt in or out. This will occur in the first week of November.

Dick NØUC

New Member Benefits of ARRL Membership

Some of the benefits of joining **ARRL** are affordable insurance on your radio equipment, awards, e-mail forwarding, license renewal, technical information and regulatory information.

<https://www.arrl.org/member-benefits>

<https://www.arrl.org/get-on-the-air>

With **more than 160,000 members**, ARRL is the largest organization of radio amateurs in the world.

New US Members can get printed **On The Air** geared for new hams or **QST** magazines starting at \$49 via standard mail. Also included are the digital versions of both.

Also check out SEMARC's UseFul Links page at http://www.semarc.org/P10_UL.htm

October VE Session Report

We had three candidates show up. Two new Tech's and one who passed tech, General, and missed his extra by two questions. He will be back next month for his extra. Reminder next month is the last test session for the year. December's meeting will be at the North Pole for Breakfast.

Thanks Everyone,

Dan Franz WDØGUP.

Any questions call the club hot line at 651-769-0358 or email

wd0gup@hotmail.com.

VE News, we will be normalizing VE operations as it relates to COVID. For the time being I will still preregister candidates and VE's. That means no walk-ins but we also will not have head count restrictions. I also have incorporated a self-survey and ask anyone that answers yes to any of the questions to call me.

Thanks to all VE's that helped us get through this tough COVID time.

Thanks,

Dan Franz. WDØGUP

Planning Calendar

November 9th (T) Board Meeting

November 20th (S) VE Session & B'fast

November 30th (T) Club Meeting

December 14th (T) Board Meeting

December 18th (S) B'fast - **NO VE TEST**

No Club Meeting in December

SEMARC VE Sessions

VE exam sessions are held every 3rd Saturday. The next VE session is on November 20th. 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.**

Here is a [new section](#) for NEW HAMS studying for a license test with SEMARC & as a refresher for licensed hams wanting to check their knowledge -

Sponsored by Dan WDØGUP

Here you go...

Three random questions from the VE exams:

Test your knowledge.

This information is widely available on the internet. I would like you to answer each question in three parts:

- 1 - The correct answer for the question?
- 2 - Which test did it come from? (Tech, Gen, Extra)
- 3 - Did you use the internet to find your answer?

1-What happens to the conductivity of a photoconductive material when light shines on it?

- a - It increases
- b - It decreases
- c - It becomes unstable
- d - It stays the same

2 - If the averaging time for exposure is 6 minutes, how much power density is permitted if the signal is present for 3 minutes and absent for 3 minutes rather than being present for the entire 6 minutes?

- a - 2 times as much
- b - 3 times as much
- c - There is no adjustment allowed for shorter exposure times
- d - 1/2 as much

3 - Which one of these classes of amplifiers has the highest efficiency?

- a - Class A
- b - Class B
- c - Class AB
- d - Class C

If you wish to have answers checked
please email AE0TE@ARRL.net

New hams with correct answers at the end
of this section series will win
(*at the clubs discretion*)

A brand new ICOM IC-7851

OR

A *hearty congratulations!* from the club



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
AMATEUR RADIO LICENSE

FCC Registration Number (FRN): [REDACTED]

Special Conditions / Endorsements
NONE

Grant Date	Effective Date	Print Date	Expiration Date
05-13-2016	05-13-2016	05-13-2016	05-13-2026

File Number	Operator Privileges	Station Privileges
[REDACTED]	Amateur Extra	PRIMARY

THIS LICENSE IS NOT TRANSFERABLE

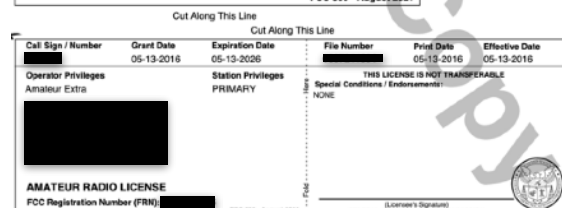
(Licensee's Signature) _____

FCC 696 - August 2021

Licensee: This is your ra authorization in sizes suitable for your wallet a for framing. Carefully cut documents along the line indicated and sign immediately upon receipt. They are not valid until signed.

The Commission suggests that the wallet size version be laminated (or another similar document protection process) after signing. The Commission has found under certain circumstances laser print is subject to displacement.

Cut Along This Line



Call Sign / Number [REDACTED] Grant Date 05-13-2016 Expiration Date 05-13-2026 File Number [REDACTED] Print Date 05-13-2016 Effective Date 05-13-2016

Operator Privileges	Station Privileges	THIS LICENSE IS NOT TRANSFERABLE
Amateur Extra	PRIMARY	NONE

Special Conditions / Endorsements: NONE

AMATEUR RADIO LICENSE
FCC Registration Number (FRN): [REDACTED]

FCC 696 - August 2021

(Licensee's Signature) _____

PARKS ON THE AIR (POTA) REFERENCES

After my presentation at the SEMARC October member meeting, some members asked me to provide information on Websites for POTA. These are the main websites to use:

<https://parksontheair.com/>

<https://pota.app/#/>

Good YouTube channels that contain POTA information and are enjoyable to watch (in my opinion) are as follows:

<https://www.youtube.com/c/KB9VBRAntennas>

<https://www.youtube.com/c/OutdoorsOnTheAir>

<https://www.youtube.com/c/K8MRDRADIOSTUFF>

https://www.youtube.com/results?search_query=ham+radio+cq

There are many additional good references, so do some research and I'm sure you will find what you need.

Dave Larson, KEØHAL

SIGHTS AND SOUNDS

I enjoy serving as net control station (NCS) for both the Minnesota Section (MSN) and Region Ten nets of the National Traffic System (NTS). Serving as NCS can be a challenge, especially on TEN, where it is not unusual for 6-10 pieces of formal traffic to be distributed among several stations.

QRM, especially intentional interference, can make operation of the net difficult. Recently, for several nights, I was interfered with by a digital signal. It happened on both the MSN and TEN frequencies. I didn't know what mode the digital signal was. Like others, I can differentiate by ear RTTY, some PSK and FT8. So, I went looking for some help.

Check out W1HKJ.com. HKJ is the home for FLDigi, a program some of our members use for their digital work. At the website, click on "sights and sounds" and take a walk through a number of digital signals, including how they look on a band scope and how they sound when transmitting.

After several rounds of interference and a little work here, the offending signal was determined to be IFKP. Visit the site and learn what messed me up for a while.

73, Brian NØBM

[Cont. from page 2 - Membership Renewals 2022](#)

MEMBERSHIP RENEWALS 2022

Membership in SEMARC runs from January 1 to December 31. You may renew or extend your membership at any time. Annual Dues are \$20/year for a regular membership. Family memberships are \$30/year. Full-time students are just \$10. Youth under 18 years old are free. Membership applications are available at www.semarc.org/files/Forms/Member_Appl_2022.pdf.

[\(Or print from the newsletter\)](#)

Please complete the form so that we have your current information. You can drop off the form at the next meeting or mail it to the club office identified on the form. Thank you for your support of SEMARC.

Joe Hibberd, W3QLC
Secretary

❄️ Winter Field Day ❄️

Where:

To be held at Fire Station #3 in Cottage Grove
7500 Langley Avenue South
Cottage Grove, MN 55016

When:

01/29/2022 - 01/30/2022

Setup begins around 10:00 am on Saturday - Concludes after 1:00 pm on Sunday

Winter Field Day runs for 24 hours during the last full weekend in January each year from 1900 UTC (2pm EST) Saturday to 1900 UTC (2pm EST) Sunday. For 2022 the dates are January 29th and 30th. Station set-up may commence no earlier than 1900 UTC (2pm EST) on the Friday before. Station setup may consume no more than 12 hours total. How & when you schedule/spend those 12 hours is up to you.

Bands: All Amateur bands, HF, VHF, & UHF except 12, 17, 30 and 60 meters.

Modes: Any mode that can faithfully transmit the exchange intact without a conversion table...

CW, SSB, AM, FM, DStar

Suggested Frequencies: (to make it easier to find each other)

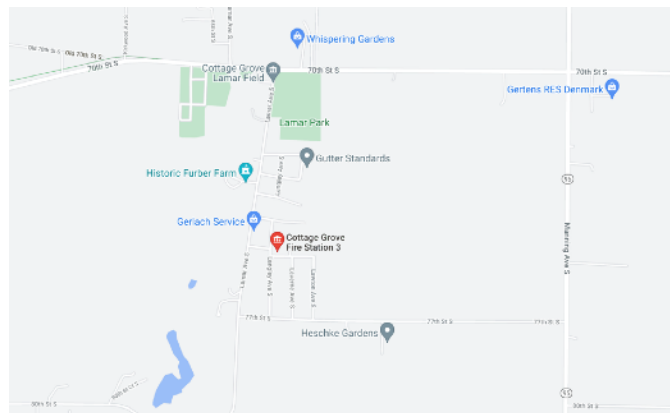
HF CW – 1.810 - 1.820, 3.530 - 3.550, 7.030 - 7.050, 14.035 - 14.055, 21.030 - 21.050, 28.030 - 28.040

HF SSB – lowest 30 kHz of the US General Class Phone bands (160m-15m), 28.400-28.425MHz (10m)

6m/VHF/UHF – adjacent to, but not on, nationally recognized simplex calling channels

Category: Most likely as in the past, 2I (Indoors) Minnesota

David S Blume, KDØIRF



Stillwater Amateur Radio Club

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

[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 Wednesday's - 9:00 pm - 9:30 pm

[Social/Special Meetings](#)

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

South East Metro Amateur Radio Club

Dick Roberts, NØUC
1655 - 68th Street West
Inver Grove Heights, MN 55077-2222
651-208-0889

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.... 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

CLUB APPAREL

You have seen some members wearing SEMARC caps, shirts and jackets. If you would like to order one for yourself, visit our website at [ApparelOrderForm.pdf \(semarc.org\)](#), then contact our order coordinator Dan Franz at wd0gup@hotmail.com. Dan will accept your order and payment, then order the item(s) from our vendor Advanced Sportswear in Newport.

If you have questions, contact **Joe Hibberd** at joehibberd11@gmail.com.

REMEMBER

Members can advertise items for sale AND items you are looking for.

The fee for placing ads is a membership in the SEMARC club, a small price to pay for access to all the club benefits and the many club members and their friends in other clubs that may be looking for just what you have to offer.

Also we can use articles in any aspect of Ham Radio that is of interest to you that may benefit the rest of us.

For example, EME. I would love to try my hand at it but have neither the money nor access to sky to make it possible. And yes, portable for sky access would be possible, but the funds still hinder my desire.

But, this is a prime example of where someone could share their experiences and insights on having fun doing various unique aspects of the hobby.

Rambling over...

I have the following for sale:

Yaesu FTM-7250D - \$200

144/430 MHz dual band mobile, with C4FM communication modem. Three power levels up to 50 watts. Expanded coverage 108 - 579 MHz. Group ID and Group Monitor functions. 225 memories. Already programmed with most Metro repeaters. Excellent condition. \$200.

G5RV antenna

Multi-band wire antenna, non-resonant, assembled, 1,500 W, 14 gauge, SO-239, 102 ft. long. Covers all bands, 160-10 Meters with antenna tuner. Can be erected as horizontal dipole, inverted vee or sloper to be more compact. Includes 80 feet of coax. \$80.

Joe Hibberd W3QLC

Fresh Air In The Park



Dave B., KDØIRF Dave L., KEØHAL



Chuck, KFØGFK Brian, NØBM Dave L., KEØHAL Dave B., KDØIRF

