

LARC Meeting August 12, 2026 - 19:30 LARC Clubhouse 4420 NW 41st Street

Club meetings are free and open to all. No need to have a license or club membership. We welcome anyone who has an interest in amateur radio.

Program

Rex Peterson, AEØRP

"Modulation and Why the Strange, Squeaky Voices
are on Single Side Band"

It can be difficult to wrap your head around what modulation looks like and how AM single side band differs from commercial AM or CW. I have some oscilloscope screen videos along with the transmitted audio to help us understand the differences and explain what is happening when we listen on the "wrong side" of single side band.

Calendar

August

- 01. Sa 09:00 ..QCWA Breakfast . Hy-Vee1601 N 84st S
- 03. Mo 18:30 ..LOG Folding LARC Clubhouse4420 NW 41st St
- 06. Th. 18:30 ..VE Exams College View Church4801 Prescott Ave
- 12. We 19:30 ..LARC Meeting..... LARC Clubhouse4420 NW 41st St
- 23. Su 18:30 ..LOG Deadline
- 29. Sa 17:30 ..Zombie Walk Downtown Lincoln
- 31. Mo 18:30 ..LOG Folding LARC Clubhouse4420 NW 41st St

September

- 03. Th. 18:30 ..VE Exams College View Church4801 Prescott Ave
- 05. Sa 09:00 ..QCWA Breakfast . Hy-Vee1601 N 84st S
- 09. We 19:30 ..LARC Meeting..... LARC Clubhouse4420 NW 41st St
- 20. Su 18:30 ..LOG Deadline
- 28. Mo 18:30 ..LOG Folding LARC Clubhouse4420 NW 41st St



Board of Directors

Position.....	Name	Call	Phone.....	Email
President	Ed Holloway	KØRPT	402/326-1139	k0rpt@arrl.net
Vice President	Shaun Munson	KØSMM	402/853-6523	k0smm@arrl.net
Treasurer	Alex Lewis	W3ALX.....	402/202-8830	alex.w3alx@gmail.com
Secretary	Aaron Rogge	NØADR.....	402/617-0234	n0adr@ajrogge.com
Member	Bryan Leavitt	WØBCL	402/310-1686	w0bcl1@gmail.com
Member	Fred Wiebelhaus ..	KØFJW	402-992-7653	fwiebelhaus@outlook.com
Member	Roark Pyle.....	WØLNE.....	402/318-1452	w0lne@arrl.net
Member	Kathleen Rogge ..	KRØKAT.. . .	402/617-1466	kathleen@ajrogge.com
Club Station Trustee..	Greg Brown	KTØK	402/937-3540	kt0k@arrl.net

2026 Committees

Committee Liaison.....	Chair	Phone	Email
Activities	KØRPT Kathleen Rogge, KRØKAT...	402/617-1466	kathleen@ajrogge.com
Awards	KØFJW Ed Holloway, KØRPT	402/326-1139	k0rpt@arrl.net
Audit	W3ALX Greg Brown, KTØK	402/937-3540	kt0k@arrl.net
Bylaws	NØADR Alex Lewis, W3ALX	402/202-8830	alex.w3alx@gmail.com
Club Inventory	KØSMM ... Fred Wiebelhaus, KØFJW.....	402-992-7653	fwiebelhaus@outlook.com
Club Station	KØRPT Greg Brown, KTØK	402/937-3540	kt0k@arrl.net
Education	WØBCL Aaron Rogge, NØADR	402/617-0234	n0adr@ajrogge.com
Estate Assistance	KØFJW Paul Ahrens, NØPD	402/499/7973	plahrens@gmail.com
Field Day	KØRPT Shaun Munson, KØSMM.....	402/853-6523	k0smm@arrl.net
Holiday Party	NØADR Ed Holloway, KØRPT	402/326-1139	k0rpt@arrl.net
LOG Editor	WØBCL Jean Leavitt, KØJSL.....	402/310-9964	log@k0kkv.org
Mentorship.....	KØSMM ... Greg Brown, KTØK	402/937-3540	kt0k@arrl.net
Public Relations...	KØRPT Shaun Munson, KØSMM.....	402/853-6523	k0smm@arrl.net
Public Service	WØLNE/KCØHN Aaron Rogge, NØADR	402/617-0234	n0adr@ajrogge.com
QSL Cards.....	W3ALX Greg Brown, KTØK	402/937-3540	kt0k@arrl.net
Tower/Antenna Crew.	KØRPT Shaun Munson, KØSMM.....	402/853-6523	k0smm@arrl.net
Transmitter Hunts	KØSMM ... Todd Mason, NØTFM	402/405-3603	tfmason@windstream.net
TVI/RF	KØRPT Shaun Munson, KØSMM.....	402/853-6523	k0smm@arrl.net
Website	NØADR Alex Lewis, W3ALX	402/202-8830	alex.w3alx@gmail.com

Ed Holloway, KØRPT, LARC President



Steadily working our way into August. With all the very hot days and Super Fair getting ready to start, we have a lot to do. Field Day was a blast and we enjoyed a little of everything RF. From the new folks to the older folks, it was a great time.

August club meeting will see Rex, AEØRP, with a presentation covering modulation and why the voices sound funny on single side band. It sounds like a great one!

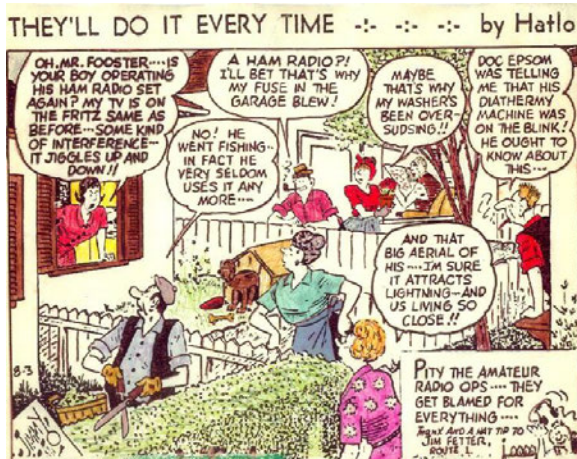
NEARES is grateful to Skyline Construction and Roofing. They recently took a day out of their schedule and repaired our clubhouse roof. I can't tell you how nice it is to go into the building and NOT find water on the floor. If you find that you need a roofing or construction company, please find their Supporting Business Member Ad here in the log.

Cornhusker State Games was a hit and much thanks to all who participated in the events.

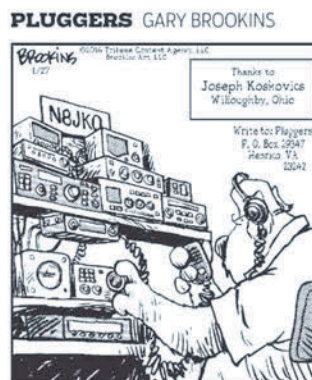
That's all for now. See you at the club house!



[https://skylineconstinc.com/
402-409-1964](https://skylineconstinc.com/402-409-1964)



www.repeater-builder.com



Back in the day, for a plugger to be involved in "social media," he first had to pass the ham radio license exam.



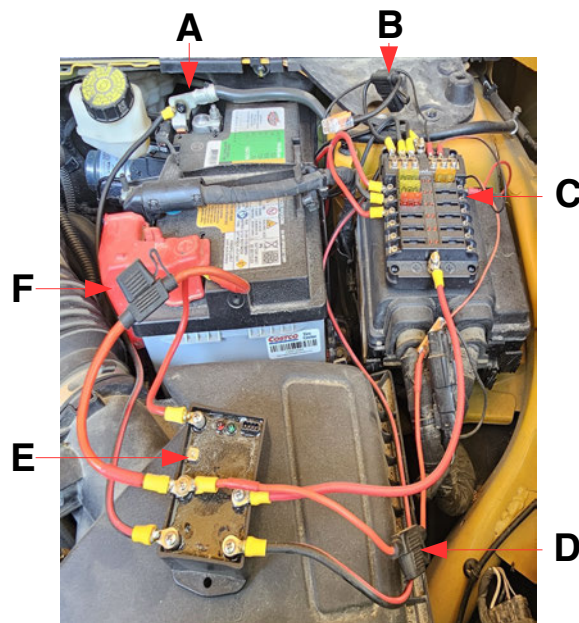
Tips For Mobile Radio Installation

Bryan Leavitt, WØBCL

- Power supply wires should be at least 12 gauge, preferably 10 gauge.
- Connect wires at the battery and fuse BOTH the positive and negative sides.
- Newer cars have a current sensor on the negative terminal of the battery. Connect the negative wire on the side away from the battery. If you bypass the sensor you could eventually have a discharged battery and be unable to start your vehicle.
- A 50 watt mobile radio will draw approximately 13 amps at full power so fuses should be 15 or possibly 20 amps in size. Larger fuses are usually not needed and you risk damage to the radio and your wiring if you use them. Maximum current is 20 amps for 12 gauge wire, and 30 amps for 10 gauge wire.
- At any point where the wire could be damaged, protect it with corrugated tubing or multiple layers of electrical tape i.e. something like 10 layers of tape. Do not underestimate what vibration and sharp or rough edges, can do to cables that are unprotected.
- Make sure you have the ability to disconnect the power close to the radio. Power-poles work very well for this purpose.
- Since the radio is connected directly to the battery it will stay on even if the ignition is off. You may want to consider adding a device that will automatically cut power to radio after a set time period.
- Antennas work best if they are directly mounted to the vehicle. Mag mounts do not connect to the vehicle ground except through the shield of the coax and can be unstable at high speeds or in high wind conditions.
- The best antenna mount for your vehicle is NMO. It is waterproof if installed correctly and provides a very stable base for the antenna.
- Have more than one antenna available. I normally have a short antenna on my truck but, I also have a longer higher gain antenna that I can change to if necessary. It only takes a few seconds to swap them on the NMO mount. The short antenna allows me to go into parking garages or other low clearance spaces without damage to the antenna or vehicle. Speaking

from experience, I have snapped an antenna in half pulling into my garage at home.

- Cable from the antenna mount can be run in the overhead roof lining and then down the windshield posts to the radio. It can also be run in raceways that are below the doors in most cars.
- Forget trying to run the coax with a PL-259 (UHF) connector on it. Cut it off if it is all ready attached and do not install one until the cable end has made it to the radio.
- Leave lots of extra power and coax cable, you may want to move the radio at some future time.

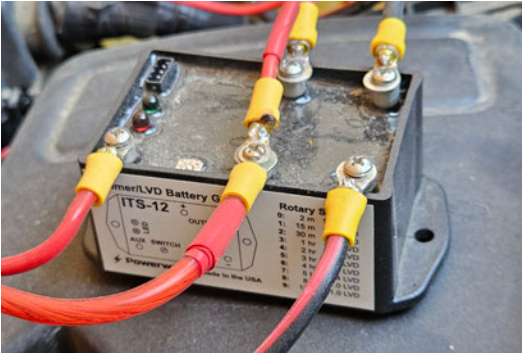


- A. Current Sensor on negative battery terminal, with negative lead after the sensor.
- B. Fuse for negative side of radio power.
- C. Fuse block for positive power.
- D. Fuse for voltage display.
- E. Adjustable shutoff timer and over voltage protector. Cuts power if voltage exceeds 16 volts.
- F. Main fuse from positive battery terminal

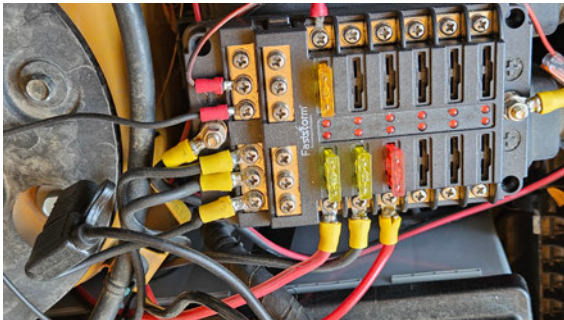
Tips For Mobile Radio Installation Continued



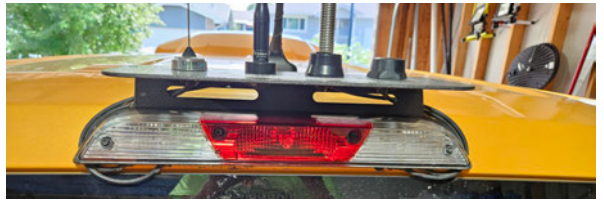
Close up of the battery current sensor with the negative lead located after the sensor.



Close up of automatic shutoff.



Fused distribution block.



High tail light mounting plate. No drilling required.



July VE Sessions

Chris Evens, KCØPJR

July got us back to normal again. We had our regular first Thursday of the month session hosted at the College View Church. We had an anomaly this month in the ratio between candidates and VEs. We had a ratio of 1 candidate to 2.5 VEs. Thank you for that turnout of those supporting VE Exams this month. All 4 candidates received a new or upgraded license. They are as follows:

TECHNICIAN

- Chris Dobson, KC1ZWJ, Bethlehem, NH
- Paul Petersen, KFØZBP, Lincoln

GENERAL

- Andrew Cunningham, KFØYRA, Syracuse
- Roark Pyle, WØLNE, Lincoln

Congratulations to our new licensees! Just a reminder that those that miss the FCC window for payment will need to work with the ARRL to get their paperwork re-submitted. That can be done by emailing vec@arrl.org.

Volunteer Examiners (VEs) who participated this month are: WØBCL, NØCLS, KJØHN, ACØLD, NØLNK, NØPD, KCØPJR, AEØRP, NEØTM, and KFØVZW.

Thank you to all for giving your time to promote and advance the great hobby of Amateur Radio.

—Chris Evens, KCØPJR

ARRL Contest Calendar

ARRL

August

- 1-2 222 MHz & Up Distance Contest
- 8-9 EME 2.3 GHz & Up
- 15-17 10 GHz & Up - Round 1
- 16 Rookie Roundup RTTY

September

- 5-6 EME 2.3 GHz & Up
- 12-14 September VHF
- 19-21 10 GHz & Up - Round 2

Log Folding

Jean Leavitt, KØJSL

Thank you to the July Log folding crew: WØBCL, NØJLR, KØJSL, KRØKAT, KØKPH, KC9OTF, KDØPTF, KF9TV, Jon Peterson, Ayden Rogge, Liam Rogge, and Mitch Ryan.

Radio for Sale, SX-111

Paul Mundt, KF9TV

Classic 1960's Hallicrafters SX-111 Mark 1 Amateur Bands Receiver. Heavy. Basically works. It needs a new cord and cleaning up. Would benefit from calibration and servicing. I just have too many projects and too little time. Asking \$50.

Email: KF9TV1@gmail.com.

Text: 331-401-4952.

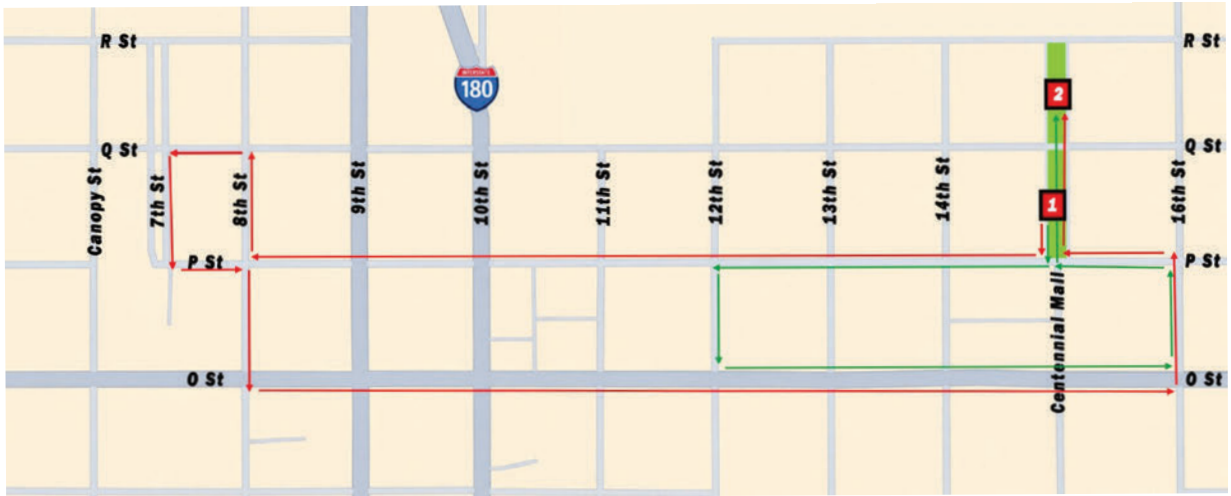


Public Service Opportunity

Aaron Rogge, NØADR

After a 10 year hiatus, the Lincoln Zombie Walk is back on! LARC has been asked to provide communications support for the event. The walk is planned for August 29 and will run approximately from 5:30 pm to 8:00 pm. See the map below for the routes to be covered.

If you are available to help, please drop me an email at n0adr@ajrogge.com. This should be a fun event, and your help would be appreciated. The Sign-Up Link is: <https://forms.gle/VntuujRiSeHUgoAQ7>



Public Service Event Update

Aaron Rogge, NØADR

The Heatstroke 100 Cycling Event, scheduled for August 30, has been canceled for 2026 due to low registration numbers.

If you were driving golf carts at the Super Fair on Thursday July 30th, you would have seen this:



Need Help Or Have Questions

Please Contact Us, If We Can Be Of Service

Classes / License Issues	Bryan Leavitt.....	WØBCL	402-310-1686
Exam Sessions	Chris Evens	KCØPJR.....	402-613-3484
Installation Questions	Greg Brown	KTØK	402-937-3540
Interference Issues	Shaun Munson	KØSMM.....	402-853-6523
NEARES*	Ed Holloway.....	KØRPT	402-326-1139
Public Service**	Aaron Rogge	NØADR	402-617-0234

* Nebraska Amateur Radio Emergency Services: Emergency communications, Storm Spotting.

** Lincoln Marathon, Petal For Madonna, CornHusker State Games, Lancaster Super Fair, Market To Market Relay, Others.

Please see page 2 for additional information.

Lincoln Amateur Radio Club Registration Form

Name: _____ Call Sign: _____

Address: _____

City: _____ State _____ ZIP+4: _____

Phone: _____ Email: _____

License Class: ☐ None ☐ Novice ☐ Tech ☐ General ☐ Advanced ☐ Extra

Memberships ☐ LARC (\$15.00 Full, \$10.00 Associate*) Year: _____ \$ _____

☐ LARC (\$10.00 First-time members-first year only) Year: _____ \$ _____

☐ Lincoln Repeater Club (\$10.00/year) Year: _____ \$ _____

Donations ☐ General Fund ☐ Equipment/Clubhouse ☐ Activities ☐ Other \$ _____

Enclose check payable to: Total Due: \$ _____

Lincoln Amateur Radio Club Inc.

PO Box 5006, Lincoln, NE 68505-0006