

2025

August

LINCOLN LOG

Lincoln Amateur Radio Club



LARC Meeting Wednesday, August 13th - 19:30 LARC Clubhouse | 4420 NW 41st St, Lincoln, NE

Handling over 400,000 combined emergency and non-emergency calls a year, the Lincoln Emergency Communications Center (LECC) serves Lincoln and Lancaster County. It is where the emergency response process begins. Decisions must be made quickly and correctly, sending the wrong response may result in serious injury, extensive property damage, or even someone's death.

Join me as I give an insiders view of the LECC, where we strive to send the right response every time, all the time.

I will also discuss some additional aspects such as; the public safety radio system, managed by the team at the Radio Shop, along with some of our partners, including the 988 Suicide and Crisis Lifeline!

Learn about the work our dedicated emergency communications team does each and every day, and the service they provide to the city of Lincoln and Lancaster County. Bring your questions!

Matthew Harwell, ENP

Emergency Communications Operations Manager | Emergency Communications Center
City of Lincoln | Police Department

Calendar

August

13 .We 19:30.....LARC Meeting LARC Clubhouse..... 4420 NW 41st St
14..Th.. 19:30SATERN Meeting Salvation Army2625 Potter St
24.. Su.. 23:59 LOG Deadline - Email articles & ads to log@k0kkv.org

September

02 .Tu . 18:30.....LOG Folding LARC Clubhouse..... 4420 NW 41st St**
04..Th.. 18:30VE Exams College View Church4801 Prescott Ave
06..Sa ..09:00QCWA Luncheon HY-Vee1601 N 84st St
10 .We 19:30.....LARC Meeting LARC Clubhouse..... 4420 NW 41st St
11..Th.. 19:30SATERN Meeting Salvation Army2625 Potter St
21.. Su.. 23:59LOG Deadline - Email articles & ads to log@k0kkv.org
29..Mo 18:30.....LOG Folding LARC Clubhouse4420 NW 41st St

**** NOTE - Due to Monday, September 1st being labor day, log folding will be Tuesday September 2. Normal time and place.**



Club Repeater **KØKKV 146.760 (-)**

Twitter twitter.com/k0kkv

LARC Web Site www.k0kkv.org

Facebook www.facebook.com/LARCLincoln

2025 Board of Directors

Position	Name	Call	Phone	Email
President	Ed Holloway	KØRPT	402/326-1139 ...	k0rpt@arrl.net
Vice President	Bryan Leavitt	WØBCL	402/310-1686 ...	w0bcl@arrl.net
Treasurer	Alex Lewis	W3ALX	402/202-8830 ...	alex.w3alx@gmail.com
Secretary	Aaron Rogge	NØADR	402/617-0234 ...	n0adr@ajrogge.com
Member	Shaun Munson		402/853-6523 ...	k0smm@arrl.net
Member	Fred Wiebelhaus	KØFJW	402-992-7653 ...	fwiebelhaus@outlook.com
Member	Roark Pyle	WØLNE	402/318-1452 ...	w0lne@arrl.net
Member	Kenneth Cohn	KCØHN	402/310-8526 ...	kc0hn.ne@gmail.com
Club Station Trustee.....	Greg Brown	KTØK	402/937-3540 ...	kt0k@arrl.net

2025 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	NØADR.....	Bryan Leavitt, WØBCL	402/310-1686 ...	w0bcl@arrl.net
Estate Assistance	KØFJW	Todd Mason, NØTFM	402/405-3603 ...	tfmason@windstream.net
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.....	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

President's Message

Ed Holloway, KØRPT, LARC President



As I write this month's log entry, we are in full swing of Super Fair 2025. I want to thank all of you who answered the call for help. We are about to complete the first weekend and as of the time of this writing, we

have completed 497.5 combined hours of community service to SGEC. Thanks so much to those who have contributed and will contribute this upcoming week as we move forward to the finish line.

This month at the club meeting we will get the inside scoop on the workings of the 911 center and some real interesting stuff that does not normally get to the public. Hope to see you all at the club meeting as you'll not want to miss this one.

Keep an eye on our Facebook page for the 2nd half of this year's "Flea Market In The Drive" scheduled for September 13th.

Thanks to all who helped with Cornhusker State Games. Your volunteerism is greatly appreciated by all those we support in our community and those who coordinate each event. See you at the club meeting!

VE Exam Session

Chris Evens, KCØPJR

July VE Session:

We only had one session in July at the College View Church on July 3rd, the first Thursday of the month. An honorable mention

for the session at Field Day on June 28th, but as we didn't have anybody pass, no numbers came from there. In July we had three candidates, of which two of them passed for a new license. They are as follows:

TECHNICIAN

- Erby H Uribe Che, KFØUTE, Omaha
- Sebastian Wysocki, (pending), Lincoln,

Congratulations to our new licensees!

Volunteer Examiners (VE's) who participated this month are: WØBCL, KCØDHM, KJØHN, NØPD, KCØPJR, and NEØTM.

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

Log Folding

Jean Leavitt, KØJSL

Thank you to the June LOG folding crew: Ayden Rogge, NØADR, NØJLR, KØJSL, KØKPH, KC9OTF, and KF9TV.

Join us for the next folding session!

Because Monday, September 1st is Labor Day, log folding will be: Tuesday, September 2, 2025 at 18:30 hours.

ARRL Contest Calendar

ARRL

August

- 16-18 10 GHz and Up - Round 1
- 16-17 EME - 2.3 GHz and Up
- 17 Rookie Roundup - RTTY

September

- 13-15 September VHF
- 13-14 EME - 2.3 GHz and Up
- 20-22 10 GHz and Up - Round 2



AK-SAR-BEN ARC



IS PROUD TO PRESENT:

SEPTEMBER 6, 2025

9AM-2PM

FLEA - ESTA

ENTRY FEE: \$5

TABLES: \$10 PREPAID RESERVED
\$12 DAY OF EVENT (IF AVAILABLE)

Confirmed Vendors:

D & L ANTENNA SUPPLY

LOCATION:

METROPOLITAN COMMUNITY COLLEGE
SOUTH OMAHA CAMPUS
CAM BUILDING ROOM 120
2709 EDWARD BABE GOMEZ AVE
OMAHA, NE 68107
FREE ADMISSION FOR
CURRENT MCC STUDENTS

DOOR PRIZES:

Current **TOP** Prizes:
YAESU FT-70DR/DE HT
KENWOOD TM-281A 2M Mobile
MORE PRIZES COMING!!

SAVE the DATE

INFORMATION

UPDATED

AT:

AKSARBENARC.ORG

8FT TABLES
HANDICAP PARKING
BREAKFAST and LUNCH ON-SITE
COMPLIMENTARY COFFEE and TEA
DOOR PRIZES, FELLOWSHIP

Table Reservations NOW OPEN!!



Amateur Radio TV

The following is an excerpt from: ATV Handbook - an Introduction to Amateur TV by Jim Andrews, KH6HTV. Here is the link to the full article which is on the ARRL.org website. <https://www.arrl.org/files/file/Technology/pdf/an-55a-atv-handbook-1.pdf>

Chapter 4 - AMATEUR TV BANDS

As shown previously, the original, analog, NTSC, TV transmissions required a 6 MHz wide channel. Modern day, commercial broadcast TV uses digital transmission, but still uses the same 6 MHz channels for each transmitter. All of our HF bands put together would not give us 6 MHz. We have to move up to the UHF region before we find enough bandwidth available to support TV. This means the first amateur band available for TV is our 70 cm band (420-450 MHz). It is 30 MHz wide and could support up to five, 6 MHz, TV channels. See Fig. 6. Our 70cm band is actually just below the commercial broadcast TV, UHF band which starts at 470 MHz. Note in Fig. 6 the designation of channel numbers 57 through 61. USA cable TV uses all of the spectrum from 54 MHz (Ch. 2) up to about 1 GHz, divided into adjacent 6 MHz channels. It turns out that CATV channels 57 through 61 actually land directly in the amateur 70cm band. This is fortunate, in that a 70 cm, analog, ATV transmitter's signal can be received directly on a home TV receiver. The ARRL band plan for the 70cm band calls for Ch 58 to be used for simplex TV while Ch 60 and Ch 57 are to be used as the input and output channels for a TV repeater. The use of the other channels for TV is not recommended due to likely RFI to FM voice repeaters on Ch 61 and weak signal SSB/CW and satellites on Ch 59. It should be noted that not all regions of the USA adhere to the ARRL band plan for ATV. Some regions use non standard frequencies. The most common being 426.25 MHz and 434 MHz for analog ATV.

Continued on page 6.

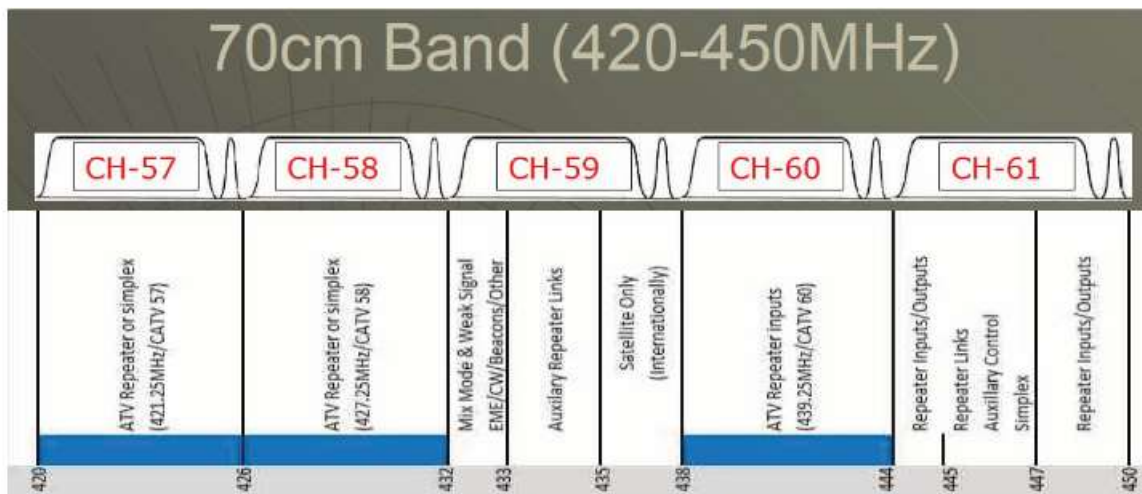


Figure 6

The 70 cm band is by far and away the most popular and most useful of all the amateur bands for ATV. It has the combination of good propagation characteristics, most available equipment, reasonable size antennas, etc. All of the higher frequency amateur bands can also be used for ATV. As one goes higher in frequency, these microwave bands become more useful for point-to-point TV links, rather than wide-area TV broadcasting. The next most popular band after 70 cm is the 23 cm band (1240 - 1300 MHz). With 60 MHz available, it could support up to ten, 6 MHz TV channels. In most areas, it is a fairly quiet band with much fewer users. The main issue for some large metro areas is the presence of government radars within the 23 cm band. They are primary there and amateur usage is secondary and we are not allowed to cause RFI to these radars. The next bands in terms of usage for ATV are on either side of 23 cm. They are the 33 cm (902-928 MHz) and the 13 cm (2.39 - 2.45 GHz) bands. These bands are considerably less useful due to the shared usage with unlicensed, part 15 devices. The 2.4 GHz band is especially bad because of its wide spread use for WiFi. There is also some ATV activity in the higher microwave bands of 9 cm (3.3 - 3.5 GHz), 5 cm (5.65 - 5.925 GHz) and 3 cm (10 - 10.5 GHz). ARRL band plans exist for all of these various bands and specific channels have been set aside for ATV use.

Chapter 5 P5 - TV SIGNAL QUALITY REPORTING

In HF radio we report signal reception using the RST method. R = Readability, S = Signal Strength and T = Tone (only used for CW). Thus a 5-9 report means perfectly readable with an S-9 on the S meter. For ATV we use a similar method for reporting the quality of the received image. We called it the P rating, i.e. Picture rating. Fig. 7 shows examples of various weak analog ATV signals and their respective P rating.

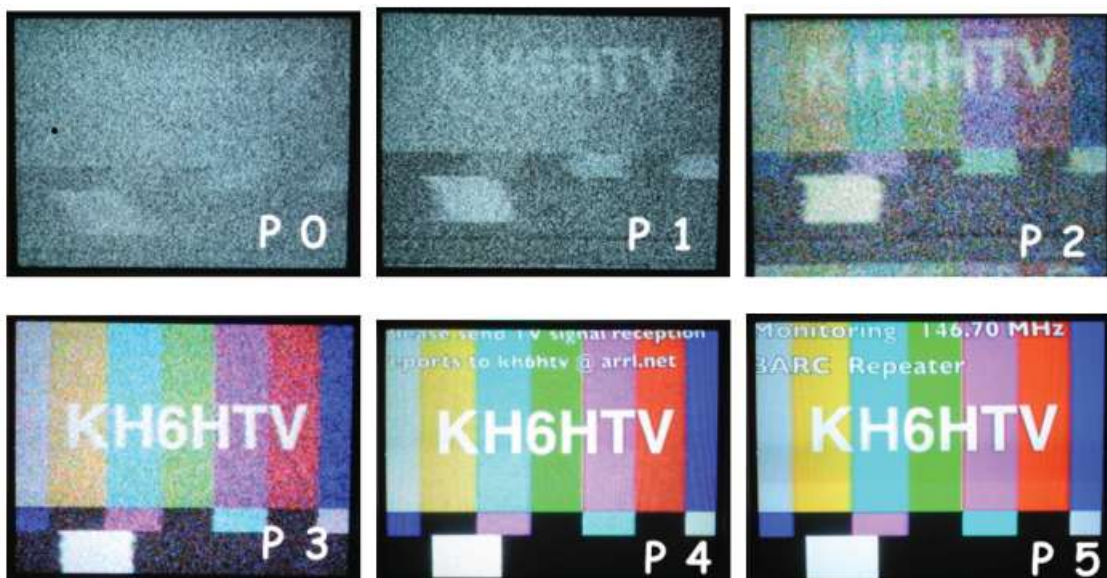


Figure 7

- ♦P0 Extremely weak signal. At the threshold of the receiver noise. Can only detect the presence of possible sync. No usable image.
- ♦P1 Very weak signal. Can detect presence of video buried in the noise. Mostly snow. Receiver often times has difficulty sync locking. Only very large block letters are barely readable, such as in a camera view of only the call sign on a stationary, automobile license plate. OK for DX reporting only.
- ♦P2 Weak signal. Lot of snow present in image. Black and White only. No audio. Can detect presence of people in the image and movement. Not a usable picture for routine, pleasurable viewing. Note: some excellent receivers might show color with a P2 signal. Then instead of white "snow", you will experience a shower of colorful confetti !
- ♦P3 Moderate signal. Still has snow present in image. Color lock. Audio is present but noisy. Acceptable picture for people living in very rural areas watching broadcast TV.
- ♦P4 Strong signal. Very good color and audio. No snow or confetti. Some defects noted in picture quality. Almost full quieting on the FM audio.
- ♦P4.5 Strong signal. Only a very few, minor picture defects. A border line P5.
- ♦P5 Very strong signal. Perfect, noise-free, picture and audio.

**Interested In Getting Your Technician License or
Upgrading to General?**

**License classes start next month provided there is enough
interest**

Please contact Bryan, WØBCL

w0bcl1@gmail.com

**Classes most likely will be on Monday evenings from
18:30 - 21:30**

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