

LARC Meeting

Wednesday, April 10 - 19:30

LARC Clubhouse | 4420 NW 41st St, Lincoln, NE

"Some Secrets to "Safe" Storm Spotting"

This talk will focus on the 2023 severe weather season through the use of imagery, videos, and time lapses. We'll take a look at two notable events that occurred in Nebraska in 2023 on May 12th and June 28th. The attendees will learn about some key mobile apps and websites that will be valuable in preparing for the 2024 severe weather season and beyond.

Biography

Jeremy Bower graduated in 2005 with a B.S. in Atmospheric Science from Ohio State University. During his undergraduate career, he worked for Storm Chasing Adventure Tours as a driver and forecaster. After relocation to Lincoln, Nebraska, Jeremy continued to study the weather and became a lead forecaster for the University of Nebraska's Vortex Intercept Team from 2006 to 2009. (Continued on page 2)

Saturday April 13th, 2024

4120 NW 41st

Lincoln, NE

Open To
The Public

Doors Open
8:00AM



Lancaster County SKYWARN Spotter Training

- 08:00— 11:00 ARES Registration, Photo's
- 11:00— 12:30 NWS Presentation— Rebecca Kern
- 12:30— 13:00 Credentialing Quiz
- 13:00— 14:00 LARC Presentation— Ed, KØRPT

Bower Biography (Continued from page 1)

Jeremy also interned as a meteorologist and provided severe weather briefings for the Lancaster County (NE) Emergency Management Agency. Jeremy created JRBSstorm Photography as an endeavor enabled to create a platform to share his love of photography and weather.

His photography he's captured while living on the Plains has been used by The Weather Channel, Emergency Management, and the National Weather Service for educational purposes. His enthusiasm to integrate science and art has enabled them to participate in a wide range of outreach events including presentations at Ohio State University, the University of Nebraska-Lincoln, and Ohio University.

Jeremy Bower
JRBSstorm Photography
"Keep your eyes to the skies!"
330.447.3097

twitter.com/jrbstorm

facebook.com/jrbstormphoto

My Flickr site: <http://www.flickr.com/photos/jrbstorm/>



**KTØK
Installing
Club
Antenna**



2024 Board of Directors

President	Aaron Rogge	NØADR	402/617-0234 ...	n0adr@ajrogge.com
Vice President	Ed Holloway	KØRPT	402/326-1139 ...	k0rpt@arrrl.net
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Member	Kenneth Cohn	KCØHN	402/310-8526 ...	k0hn.ne@gmail.com
Club Station Trustee.....	Greg Brown	KTØK.....	402/937-3540 ...	kt0k@arrrl.net

2024 Committees (Committees may be subject to change)

Committee	Liaison..	Chair	Phone	Email
Activities	KØSMM	Ken Cohn, KCØHN	402/310-8526 ...	k0hn.ne@gmail.com
Awards	Ed Holloway, KØRPT		402/326-1139 ...	k0rpt@arrrl.net
Audit	W3ALX.....	Greg Brown, KTØK	402/937-3540 ...	kt0k@arrrl.net
Bylaws.....	NØADR.....	Alex Lewis, W3ALX.....	402/202-8830 ...	alex.w3alx@gmail.com
Club Inventory	KØSMM			
Club Station	KØRPT.....	Greg Brown, KTØK	402/937-3540 ...	kt0k@arrrl.net
Education	NØADR.....	Bryan Leavitt, WØBCL	402/310-1686 ...	w0bcl@arrrl.net
Estate Assistance	KØRPT.....			
Field Day	KØRPT.....	Shaun Munson, KØSMM.....	402/853-6523 ...	k0smm@arrrl.net
Holiday Party.....	NØADR.....	Ed Holloway, KØRPT.....	402/326-1139 ...	k0rpt@arrrl.net
LOG Editor	WØBCL	Jean Leavitt, KØJSL	402/310-9964 ...	log@k0kkv.org
Mentorship	Greg Brown, KTØK		402/937-3540 ...	kt0k@arrrl.net
Public Relations.....	KØRPT.....	Shaun Munson, KØSMM	402/853-6523 ...	k0smm@arrrl.net
Public Service.....	KCØHN	Aaron Rogge, NØADR.....	402/617-0234 ...	n0adr@ajrogge.com
QSL Cards	W3ALX.....	Greg Brown, KTØK	402/937-3540 ...	kt0k@arrrl.net
Tower/Antenna Crew....	KØRPT.....	Shaun Munson, KØSMM	402/853-6523 ...	k0smm@arrrl.net
Transmitter Hunts	KØSMM			
TVI/RF.....	KØRPT.....	Shaun Munson, KØSMM	402/853-6523 ...	k0smm@arrrl.net
Website	W3ALX.....	Aaron Rogge, NØADR.....	402/617-0234 ...	n0adr@ajrogge.com



President's Message **Aaron Rogge, NØADR,** **LARC President**

While the weather tries to determine its season, LARC is off to a running start this month.

First up is a LARC Club meeting

presentation you won't want to miss. Jeremy Bower is an amazing storm photographer and excellent presenter. Come for an overview of last year's severe weather and leave a bit more prepared for this year.

On the heels of Jeremy's presentation will be the annual Storm Spotter training on Saturday, April 13. I highly recommend that anyone interested in learning more about severe weather attend. The training is open to the public. For storm spotters, even if you don't need to re-up your certification this year, come out. Refresh your knowledge and find out about this year's updates.

April will wrap up with the LARC Spring Flea Market in KØRPT's driveway on Saturday, April 20. Come out, enjoy some social time, and leave with a deal.

We won't slow down come May. Our first public service event is the Lincoln Marathon on Sunday, May 5. The Lincoln Marathon holds a special place for me, as it was my first public service event as a ham. If you want to help, contact Mike Long, KØSHC.

Next up is the annual ARRL Nebraska Convention on Saturday, May 11. Mike Long is looking for volunteers to help load vendors on Friday, May 10. The more hands, the faster

it goes. If you are available, please reach out; he would love to hear from you. Then, come back the next day for the convention. Enjoy great deals, prizes, presentations, and time with your fellow hams.

It is a great time to be part of the Lincoln Amateur Radio Club!
73, NØADR

Log Folding

Aaron Rogge, NØADR

Thank you to the March LOG folding crew: Ayden Rogge, Liam Rogge, Jon Peterson, Mitch Ryan, NØJLR, KØKPH, WDØEZI, KØJSL.

Join us for the next folding session!

Date: April 29, 2024

Time: 6:30 pm

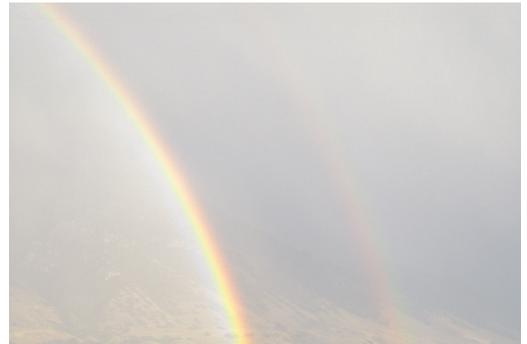
Location: LARC Clubhouse, 4420 NW 41st St

General Class Starting

Bryan Leavitt, WØBCL

Want privileges in all Amateur Radio bands? Get your General class license. Classes start Monday April 1st at the IRR building on the Union College campus.

Contact WØBCL at w0bcl@arrl.net if you are interested.



Event Calendar

April

- 4 Th.. 18:30 VE Exams College View Church 4801 Prescott Ave
10 .We 19:30.. LARC Meeting LARC Clubhouse 4420 NW 41st St
 11.. Th.. 19:30 SATERN Meeting Salvation Army..... 2625 Potter St
13 .Sa .08:00.. SKYWARN Training..... LARC Clubhouse 4420 NW 41st St
 14.. Su.. 17:00 LARC Board Mtg LARC Clubhouse..... 4420 NW 41st St
 20.. Sa ..06:00 Flea Market..... Ed Holloway's QTH 8310 Sandalwood Dr.
23 .Tu .23:59.. LOG Deadline Email articles & ads to log@k0kkv.org
 29.. Mo 18:30 Log Folding Larc Clubhouse 4420 NW 41st St

May

- 2 Th.. 18:30 VE Exams College View Church 4801 Prescott Ave
 5 Su.. 06:00 Lincoln Marathon..... Various locations around Lincoln
8 ...We 19:30.. LARC Meeting LARC Clubhouse 4420 NW 41st St
 9 Th.. 19:30 SATERN Meeting Salvation Army..... 2625 Potter St
11 .Sa .08:00.. ARRL NE State Convention..... Sandhills Global Event Center ... 4100 N 84th St
 14.. Su.. 17:00 LARC Board Mtg LARC Clubhouse..... 4420 NW 41st St
28 .Tu .23:59.. LOG Deadline Email articles & ads to log@k0kkv.org

Enhanced Security for FCC CORES/Username starting March 29, 2024

Beginning March 29, 2024, 2-step authentication will be mandatory to login to the FCC'S Commission Registration System (CORES) and its associated FCC User Registration System. Paying ULS application fees, requesting an FCC Registration Number (FRN) or updating an FRN Password require accessing FCC CORES with a Username Account. Please ensure your FCC Username Account is up to date and that you have access to the corresponding e-mail inbox. For more information please refer to the Public Notice.



Lincoln Amateur Radio Club, Inc
PO Box 5006 | Lincoln, NE 68505

Lincoln Marathon

Sunday May 5, 2024

Greetings all, I hope you all have had a wonderful winter and now that we are entering into spring which means the beginning of Public Service for our community! So with that in mind our first public service event is the Lincoln Marathon, Sunday May 5th. I am in-need of volunteers to help again, I have already received some sign-ups from those who helped last year but I still have lots of openings. So if you are available and want to help please send me an email at (k0shc13@yahoo.com) and I will get you on the list of volunteers! I will also have a sign-up sheet at the club meeting for your convenience. Please consider helping the Lincoln Track Club, Nebraska National Guard and the City of Lincoln, Police & Fire/Rescue as well as University of Nebraska Police Department who greatly appreciate our efforts helping with this event. So please if you are available Sunday, May 5th lets continue to show our support towards this wonderful event held on our city!!

Thank you,
NOADR/ K0SHC



Convention

TextStudio

Nebraska ARRL Convention

Saturday May 11, 2024

As you are aware, we are again holding our annual Nebraska ARRL Convention, Saturday May 11th. I have been given the task of getting Vendors and Flee Marketer's who purchase their tables in advance or those wishing to set-up early helping them get to their assigned tables. So my request to you is if you are available Friday May 10th, from 12:00 to 5:00 pm I could use your help! Please come to the Sandhill's Event Center formally known as Lancaster Event Center, 84th & Havelock Avenue the time listed and I will appreciate greatly your help!! If you have any questions please respond to (k0shc13@yahoo.com) and I will answer your questions asap. Thank you for your support and I look forward to seeing you!

K0SHC

Club Station News

A reminder that the LARC Club Station is available for use by any club member by appointment. All we ask is that we have a few days-notice so we can arrange to have a control operator open the station for you and provide a bit of instruction on the radios. We hope to have a regularly scheduled time each week when the station will be open for walk-ins, so watch the LOG, club web page, and nightly nets for updates.

For those interested in digital modes, we have acquired the necessary radio interface and software to operate FT8, the most popular digital mode ever! At present, we are limited to a multi-band vertical, but on FT8 you can work the world with low power and modest antennas! If you'd like to use the club station, just drop me an email, text or phone call and we'll make it happen!

Greg KTØK kt0k@arrl.net kt0k@windstream.net 402-937-3540 (voice or text).



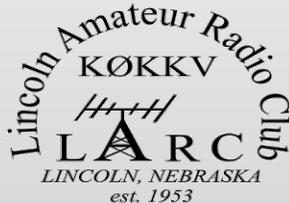
ARRL Nebraska State Convention Saturday May 11th, 2024

Talk In 8:00AM to 3:00PM Onsite HT's
KØKKV Sandhill's Global Event Center, Lincoln, NE KØLNE
146.760- VE Testing and Forums 9:00 a.m. until 1:00 p.m. 145.190-

84th & Havelock Ave.- 8:00 a.m. - 3:00p.m. - ARRL Sponsored



Sanctioned Event
ARRL
The national association for
AMATEUR RADIO



PROGRAMS-FORUMS-DEMOS-DISPLAYS
FLEA MARKET- ESTATE SALES -FCC TESTING

Onsite vendors:

D & L Antenna Supply Co. Kansas City, MO



www.lincolnhemfest.org

Doors Open At 8:00 A.M. Come On Time For The Best Deals!

General Admission: 16yrs and up \$8.00 - Below 16 yrs-free - LARC Members \$5.00

Vendor & Flea Market Information

Set-up

May 10th 12:00 p.m. to 5:00 p.m.

May 11th 7:00 a.m.

Flea Market Rentals

8 foot table \$10.00 each

Electricity \$25.00/drop or outlet

Payment Options

Online payment is open until May 6th

www.lincolnhemfest.org

Bring Your Online Receipt

Raffle Ticket Prizes

Special Prize Drawings All Day

Grand Prize Drawings At 2:30 p.m.

(One) \$500 Gift Certificate To Associated Radio

(One) \$300 Gift Certificate To Associated Radio

(One) \$200 Gift Certificate To Associated Radio

BAOFENG

(10) UV-5R Dual Band HT's

(1) ANYTONE AT-778UV Dual Band Mobil

Plus Many More Items!

(Must Be Present To Win All Drawings)

Forums:

09:00 AM: George, KCØHYI MotoTrbo DMR

10:00 AM: ARRL Midwest Division Director, Art Zygielbaum, KØAIZ

10:30 AM ARRL NE Section Manager, Matt Anderson, KAØBOJ

11:00 AM RT Systems Software

Contact: Ed Holloway, KØRPT k0rpt@arrl.net, 402-326-1139

VE Report

Chris Evens, KCØPJR, VE Coordinator

March VE Sessions:

March saw us pick up the pace with our exam sessions both in numbers and sessions. There were two sessions. Our normal one at the College View Church on March 7th. The second one that we supported was actually in Nebraska City at the Southeast Community College Learning Center. We had a total of twelve candidates. Unfortunately, only eleven of those candidates passed for a new license. One of those eleven actually passed two exams to end up getting his first Amateur Radio license as a General. The results are as follows.

TECHNICIAN

- Bradley Arth, KFØPIT, Omaha
- Stephen Barker, KFØPLZ, Nebraska City
- Sarah Barton, KFØPMZ, Nebraska City
- Bruce Bennett, KFØPNA, Omaha
- Scott Brown, KFØPMA, Table Rock
- Michael Capito Sr, KFØPIQ, Osceola
- James Seibert, KFØPIZ, Bellevue
- Mark Weatherwax, KFØPLY, Lincoln
- Gary Williams, KFØPIV, Papillion
- Joel Zach, KFØPLW, Nebraska City

GENERAL

- Scott McIntyre, KFØPKC, Raymond

Congratulations to our new licensees! Volunteer Examiners (VE's) who participated this month are:

KØNC, KCØDHM, KCØHN, KCØPJR, KWØNE, and WØBCL. Thank you to all for giving your time to promote and advance the great hobby of Amateur Radio.

Nets

Paul Mundt, KF9TV

The Lincoln Amateur Radio Club offers daily nets that welcome hams. The nightly ARES Net is daily at 21:00 local time.

There is also a Lunch Brunch Net on Monday, Wednesday, and Friday at 12:00. This is an informative and fun net, once again open to all. These nets are on 146.76 and 442.7 MHz.

Join us if you can!

Flea Market

Ed Holloway, KØRPT

The first half of the 4th Annual LARC/NeARES Flea Market will be held on April 20th at 8310 Sandalwood Dr., Lincoln, NE.

This event has been growing and we certainly want to see you all again. Load-in time will start at 6:00 am and doors will open at 8:00 am. We'll be on the drive until all sales are complete or everyone goes home. I'll have coffee and doughnuts waiting. Bring your own table, chairs and cover.

I look forward to seeing everyone!



How Amateur Radio Works (HARW)

Bryan Leavitt, WØBCL

This month begins a new series for the log. Named HARW it will cover some of the technical aspects of Amateur Radio in a short, easy to understand way. I am hopeful that the series will help to enhance your radio skills, and prompt you to learn more about the topics that will be discussed.

Computer Logic

Computers can seem immensely complex, but the fact is that all most all computers operate on two values: 0 which is usually denoted as **false** and 1 which is usually denoted as **true**. It is the ability of the computer to literally process billions or even trillions of these values, per second, that gives it its power.

A numbering system that is only composed of two possibilities is known as binary and it has a special form of algebra associated with it known as Boolean algebra or Boolean logic. It is based on comparing the true/false values of one or two separate inputs to produce the resulting output. The **NOT** operator works on a single input all others operate on two inputs. Below are the Boolean operators and the rules which determine output:

Single Input

NOT Inverts a single input. If input is false the output is true, if input is true output is false.

Dual Input

AND Output is true if and only if both inputs are true otherwise false.

OR Output is true if either or both inputs are true. False if neither input is true.

XOR Output is true if only one input is true. False if neither input is true or both inputs are true.

NAND **NOT AND**. True except when both inputs are true.

NOR **NOT OR**. True only when both inputs are false.

XNOR **NOT XOR**. True when both inputs are true or both inputs are false.

The inputs and outputs can be shown in what is known as a truth table:

Input A	Input B	AND	NAND	Input A	Input B	XOR	XNOR
0	0	0	1	0	0	0	1
0	1	0	1	0	1	1	0
1	0	0	1	1	0	1	0
1	1	1	0	1	1	0	1
Input A	Input B	OR	NOR	Input	NOT		
0	0	0	1	0	1		
0	1	1	0	1	0		
1	0	1	0				
1	1	1	0				

Estate and Equipment Sales

Gordon Trout, WØKBS

KØCWW

Category	Item	Brand	Model	Description	Asking
Accessories	302	Heathkit	HD-1422-A	Antenna Noise Bridge	\$25.00
HTs	319	Kenwood	TR-2500	2 meter handheld AS-IS	\$20.00

KAØJGH

Category	Item	Brand	Model	Description	Asking
Accessories	205	EF Johnson		Speaker	\$10.00
Accessories	211	Kenwood	MB-100	Mtg Brkt for TS-120 and TS-130	\$10.00
Amplifiers	217	TE Systems	0510G	50 MHz 175 watts mobile amp	\$250.00

LARC

Category	Item	Brand	Model	Description	Asking
Tuners	3	MFJ	MFJ-969	Deluxe Versa Tuner	\$175.00
Accessories	10	MFJ	MFJ-864	HF/144/440 SWR Meter	\$80.00
Tuners	11	MFJ	MFJ-945E	Mobile Tuner	\$125.00
Accessories	12	MFJ	MFJ-921	144/220 200 Watt SWR Meter	\$90.00
CBs	13	Radio Shack	21-1702	CB Radio	\$20.00
CBs	14	Radio Shack	21-1702	CB Radio - bad pwr plug	\$15.00
Misc	17	Kenwood	LF-30A	Low Pass Filter	\$20.00
Antennas	20	RadioWavz		20 Meter Dipole	\$45.00
Antennas	21	RadioWavz		40 Meter Dipole	\$50.00
Misc	24	MFJ	MFJ-5124K	Autotuner MFJ-993 to Kenwood	\$55.00
Antennas	26			Mobile Antenna CB	\$10.00
Antennas	27			Mobile Antenna CB	\$10.00
Antennas	28			Mobile Antenna CB	\$10.00
Accessories	105	Kenwood	LF-30A	Low-pass filter	\$25.00
Power Supplies	155	Power-One	HD15-6-A	15v-6amp power supply	\$25.00

WØDDM

Category	Item	Brand	Model	Description	Asking
Accessories	405	Daiwa	CN-103	140-525 MHz SWR & Power Meter	\$75.00
Accessories	410	Kenwood	VFO-820		\$150.00
Accessories	411	Kenwood	VOX-3	VOX Controller	\$50.00
Accessories	412	MFJ	LSP-520BX II	Super Logarithmic Speech Processor	\$25.00

Estate and Equipment Sales Gordon Trout, WØKBS

WØDDM (Continued)

Category	Item	Brand	Model	Description	Asking
Accessories	414	MFJ	MFJ-986	Differential-T Tuner	\$200.00
Accessories	416	Mirage	MP2	SWR Meter	\$80.00
Accessories	417	Optolinx	CX12	PC to Radio Interface	\$25.00
Amplifiers	426	RFConcepts	RFC-2-23	2 meter amplifier 2w in 30w out	\$80.00
CBs	429	Radio Shack	TRC-520	wx/compass CB	\$25.00
Headphones	430	Sensiphone Superex		Headphones	\$5.00
Power Supplies	444	Magnetic	PS 1001MR	Magnetic Regulated Power Supply	\$10.00
Scanners	446	Realistic OptoScan456	20-144	Scanner	\$50.00
Test Gear	452	HP	HP 1220A	Oscilloscope	\$100.00
Amplifiers	462	Mirage	D 1010 N	430-450Mhz Amplifier 10in-100out	\$200.00
Tuners	463	Icom	AT-180	HF/50Mhz ATU	\$300.00
Microphones	465	Astatic	D-104	Microphone with T-UG8 stand	\$50.00
Tuners	468	Icom	AH-4	ATU HF & 6 meter	\$300.00
Tuners	470	Icom	AT-180	HF/50Mhz ATU	\$300.00
Tuners	471	Icom	AT-180	HF/50Mhz ATU	\$300.00
Power Supplies	473	Astron	RS-35M	35 amp Power Supply	\$200.00

WDØEGK

Category	Item	Brand	Model	Description	Asking
Accessories	6	TRAC	TE-284	Memory keyer	\$30.00
Accessories	8	TRAC		Memory keyer	\$30.00
Accessories	9	Viking		Phone patch	\$15.00
HTs	15	Icom	IC-4AT	440 MHz Handheld - no battery	\$40.00
HTs	16	Realistic	HTX-202	2 meter handheld - no battery	\$50.00
Keyers	21	Whiterook	MK-44	Mini Paddle	\$10.00
Speakers	32	HalliCrafters	R47	Metal speaker	\$50.00
Speakers	33			Speaker	\$5.00
Speakers	34			Speaker	\$5.00
VHF	37	Kenwood	TR-2200A	Portable 2 meter	\$20.00

Prices are negotiable. Make an offer. All items are used and sold AS-IS

"Contact: Gordon Trout, WØKBS, (402) 580-5326 after 12 noon or w0kbs@arrl.net"

The Lincoln Amateur Radio Club, Inc. (LARC), is a nonprofit organization devoted to the promotion of Amateur Radio. The club sponsors activities and programs to promote growth in Amateur Radio, further the experience of those already licensed, and create international goodwill.

The Lincoln LOG is mailed monthly to all paid members of LARC and Lancaster County, Nebraska Hams.

The LOG and other LARC information are available at k0kkv.org and facebook.com/LARClincoln and may be used freely. Permission is granted to other publications to reprint articles, provided that source credit, author, and previous print source appear in the reprint.

Lincoln Amateur Radio Club, Inc. P. O. Box 5006 Lincoln, NE 68505

Those interested in paying their club dues online, should email treasurer@k0kkv.org for more information.

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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

* Associate members must be family members residing at the same address as the full member 2024 V1