

LARC Meeting

Wednesday, March 13 - 19:30

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

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

Don't Be Late For FT8

Shaun Munson KØSMM & Joe Eisenberg KØNEB

How does FT8 work, and why it has been a huge success in facilitating contacts with very weak signals on bands we thought were dead! We will cover how to interface your radio to a computer as well as how the mode works including allowing signal copy as low as -24db below the noise floor of the receiver. FT8 is a game changer for hams to work real DX with modest stations, and now is the time to get set up for this incredibly popular mode. Is FT8 "real radio"? Come and see! We will also cover FT4 and Fox/Hound mode for working DX.

Event Calendar

March

- 7....Th.. 18:30VE Exams College View Church4801 Prescott Ave
- 13 .We 19:30.. LARC MeetingLARC Clubhouse4420 NW 41st St**
- 14..Th.. 19:30SATERN Meeting Salvation Army2625 Potter St
- 17..Su.. 17:00LARC Board Mtg LARC Clubhouse4420 NW 41st St
- 26 .Tu .23:59.. LOG Deadline Email articles & ads to log@k0kkv.org**

April

- 1Mo 18:30LOG Folding LARC Clubhouse4420 NW 41st St
- 4Th.. 18:30VE Exams College View Church4801 Prescott Ave
- 10 .We 19:30.. LARC MeetingLARC Clubhouse4420 NW 41st St**
- 11..Th.. 19:30SATERN Meeting Salvation Army2625 Potter St
- 13 .Sa .08:00.. SKYWARN Training.... LARC Clubhouse.....4420 NW 41st St**
- 14..Su.. 17:00LARC Board Mtg LARC Clubhouse4420 NW 41st St
- 20..Sa ..06:00Flea Market..... Ed Holloway's QTH.....8310 Sandalwood Dr.
- 23 .Tu .23:59.. LOG Deadline Email articles & ads to log@k0kkv.org**

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



2024 Board of Directors

President	Aaron Rogge	NØADR	402/617-0234 ...	n0adr@ajrogge.com
Vice President	Ed Holloway	KØRPT	402/326-1139 ...	k0rpt@arri.net
Secretary	Kim Cartwright	KEØTNR	402/430-1506 ...	kcdragon3@gmail.com
Treasurer	Alex Lewis	W3ALX	402/202-8830 ...	alex.w3alx@gmail.com
Member	Shaun Munson	KØSMM	402/853-6523 ...	k0smm@arri.net
Member	Bryan Leavitt	WØBCL	402/310-1686 ...	w0bcl@arri.net
Member	Roark Pyle	WØLNE	402/318-1452 ...	w0lne@arri.net
Member	Kenneth Cohn	KCØHN	402/310-8526 ...	k0hn.ne@gmail.com
Club Station Trustee.....	Greg Brown	KTØK.....	402/937-3540 ...	kt0k@arri.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@arri.net
Audit	W3ALX.....	Greg Brown, KTØK	402/937-3540 ...	kt0k@arri.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@arri.net
Education	NØADR.....	Bryan Leavitt, WØBCL	402/310-1686 ...	w0bcl@arri.net
Estate Assistance	KØRPT.....			
Field Day	KØRPT.....	Shaun Munson, KØSMM.....	402/853-6523 ...	k0smm@arri.net
Holiday Party.....	NØADR.....	Ed Holloway, KØRPT.....	402/326-1139 ...	k0rpt@arri.net
LOG Editor.....	WØBCL	Jean Leavitt, KØJSL	402/310-9964 ...	log@k0kkv.org
Mentorship	Greg Brown, KTØK		402/937-3540 ...	kt0k@arri.net
Public Relations.....	KØRPT.....	Shaun Munson, KØSMM	402/853-6523 ...	k0smm@arri.net
Public Service.....	KCØHN	Aaron Rogge, NØADR.....	402/617-0234 ...	n0adr@ajrogge.com
QSL Cards	W3ALX.....	Greg Brown, KTØK	402/937-3540 ...	kt0k@arri.net
Tower/Antenna Crew....	KØRPT.....	Shaun Munson, KØSMM	402/853-6523 ...	k0smm@arri.net
Transmitter Hunts	KØSMM			
TVI/RF.....	KØRPT.....	Shaun Munson, KØSMM	402/853-6523 ...	k0smm@arri.net
Website	W3ALX.....	Aaron Rogge, NØADR.....	402/617-0234 ...	n0adr@ajrogge.com



President’s Message
Aaron Rogge, NØADR,
LARC President

Greetings to all my fellow Hams. Thank you, Randy King, KØNC, for your presentation in February on shortwave radio. I’ve never paid much attention to what

happens outside the amateur radio bands, but now I have a reason to tune out of band and do some listening.

This month, Joe Eisenberg, KØNEB, and Shaun Munson, KØSMM, will present on FT8 and other digital modes,, The use of digital modes in ham radio has significantly increased over the past few years. You won’t want to miss their presentation.

If you want to be a storm spotter, please check out the article in this issue for details about the upcoming SKYWARN training in April. Remember that credentials are only good for three years, so if you were last credentialed in 2020, you need to renew this year.

Join me in thanking this year’s audit committee for confirming that the club’s financial records are all in order. The audit report is available in this issue. Alex Lewis, W3ALX, also deserves a big thank you for keeping the club’s books accurate throughout the year.

Is there a topic you would like to see presented at a club meeting or would like to present? Reach out to Ed Holloway, KØRPT, with your suggestions as he lines up each month’s program.

73, and I hope to see you at the March club meeting. Aaron, NØADR

LOG Folding
Aaron Rogge, NØADR

Thank you to the February LOG folding crew: W3ALX, WDØEZI, KCØHN, NØJLR, KØJSL, KRØKAT, KØKPH, NEØTM, Jon Peterson. Ayden Rogge, Liam Rogge, and Mitch Ryan.

Join us for the next folding session!

Date: April 1, 2024

Time: 6:30 pm

Location: LARC Clubhouse, 4420 NW 41st St

ARRL Contest Calendar

ARRL

March

2-3 International DX Phone Contest

April

21 Rookie Roundup - Phone

Radio Equipment For Sale

Contact Aaron Rogge, NØADR

Icom 756 Pro III HF/50MHz.....	\$975.00
Tokyo HY-Power HC-1.5 KAT	\$600.00
Tokyo HY-power HL-1.5 KFX	\$3200.00
Kenwood TH-F6A.....	\$250.00
Astron VS-20.....	\$120.00
MFJ-1117	\$50.00
MFJ-264	\$85.00
MFJ-259B	\$125.00
Vanco SWR-1	\$20.00
Yaesu FT-7900 R/E	\$150.00
Kenwood TM-221A	\$50.00

Reasonable offers will be considered.

VE Report

Chris Evens, KCØPJR, VE Coordinator

February VE Session:

February slowed back down at our session at the College View Church. We had three candidates and all of which passed at least one exam. They are as follows:

TECHNICIAN

- Asher Fritts, KFØXS, Lincoln
- Grant Schulte, KFØXF, Gretna

EXTRA

- Tim Hofbauer, NØRHM, Columbus

Congratulations to our new licensees!

Volunteer Examiners (VE's) who participated this month are:

WØBCL, NØDDE, KCØHN, KCØPJR, KDØRIY, AJØS, NEØTM, and K6INS.

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!

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!



Report of the Audit Committee--2023 LARC Financial Report

The Audit Committee met on 5 February 2024 to review the 2023 financials and end-of-year financial statement of the Lincoln Amateur Radio Club, Inc., submitted by LARC Treasurer Alex Lewis.

Members of the Audit Committee and present during the audit were Gregory Brown, KTØK, Audit Committee Chair and KØKKV Trustee; Alex Lewis, W3ALX, LARC Treasurer; Ed Holloway, KØRPT, LARC Vice President; Malcolm Heard, KEØJBT, Club Member; Brady Wetzel, KØBWW, Club Member.

The Audit Committee reviewed the LARC books and bank records and found them in agreement and properly reconciled. All income was accounted for, and all expenses were confirmed as legitimate, Board-authorized expenditures properly accounted for and documented. Financial status of the LARC as of 31 December 2023 is as follows:

ASSETS

Cash and Bank Accounts

LARC Checking Account	\$17,274.37
Pinnacle Band CD	\$8,379.00
Treasurer Cash On-Hand	\$450.00

Total Cash and Bank Accounts \$26,103.37

Other Assets

PayPal Account	\$490.70
USPS Postage Account	\$560.11
USPS Postage Due Account	\$100.89

Total Other Assets\$1,151.70

TOTAL ASSETS \$27,255.07

LIABILITIES

Lincoln Repeater Club.....	\$60.00
NE Sales Tax Collected	\$221.86

TOTAL LIABILITIES\$281.86

OVERALL TOTAL \$26,973.21

General Classes

Bryan Leavitt, WØBCL - Education Coordinator

The General license class will start in a few weeks. It will be taught on Monday nights from 18:30 to 21:30. Classes are free and open to the public. The class will be held in the International Rescue and Relief (IRR) building on the Union College campus. The following manual is recommended:

- General - <https://home.arrl.org/action/Store/Product-Details/productId/2009476073>

Contact Bryan Leavitt (WØBCL) for more information: w0bcl@arrl.net; 402-310-1686

Bob Heil, K9EID, Silent Key

03/01/2024 ARRL

The man who defined the sound of live rock 'n' roll music and brought audio engineering principals into mainstream amateur radio use, Dr. Bob Heil, K9EID, has passed away at the age of 83. He was an ARRL Life Member and in the ARRL Maxim Society. A Facebook post from Heil Ham Radio paid tribute to their founder: "Bob fought a valiant, yearlong battle with cancer, and passed peacefully surrounded by his family."

Heil founded Heil Sound in 1966, through which he created the template for modern concert sound systems for musicians like the Grateful Dead, The Who, Joe Walsh, and Peter Dinklage. The talk box used on iconic live record Frampton Comes Alive! was of Heil's design. His audio engineering products have been featured in the Rock & Roll Hall of Fame, and he was honored in 2007 with the Parnelli Audio Innovator Award for his impact on the live sound industry. "My life has been about achieving great sound, whether on the concert stage or in the amateur radio world," Bob Heil recounted in 2022. "I've watched Heil Sound go from a regional sound company to a world-class microphone manufacturer. This company has been my passion," he said.

Parallel to his commercial and artistic success in live music, was his passion for amateur radio. He was active in ham radio from a young age and merged his expertise in audio engineering with his love for radio. Heil Ham Radio was founded to produce microphones, headsets, and other gear for radio amateurs with an emphasis on high-quality audio.

Heil was known as a mentor who enjoyed helping others find success in ham radio. Recently, his grandson Charlie Hartley, KF0OP, became a licensed ham to surprise Heil for his birthday. The pair attended the ARRL Midwest Convention/Winterfest in St. Louis, Missouri, on January 27, 2024.

Heil was a generous donor to amateur radio organizations, including ARRL. Recently, he donated a host of new audio gear to the Hiram Percy Maxim Memorial Station, W1AW.

His generosity and kind nature will be missed by many, including ARRL Director of Development Kevin Beal, K8EAL. "Bob was a titan in many areas. He was generous with his time, offered keen insights, and had the heart of a philanthropist in the ARRL Maxim Society," Beal said. "He was a gentleman to his core, making friends easily and everywhere he went, from rock stars to captains of industry. I consider it a real privilege to have become a friend to him, too, all because of amateur radio."

HAM ABBREVIATIONS #2

	1 D				2 A	3 B		4 M	A	R	5 S			
	6 C	L	7 G			8 W	P	M			T			9 B
			N					I			10 N	I	11 S	T
12 C	O	N	D	13 X		14 F	C	C					C	
M				15 C	F	M					16 A	P	R	17 S
O		18 D		V					19 O	D				S
S		20 S	21 D	R			22 E	M	P					T
			X			23 A	M					24 W	25 W	V
					26 L		27 F	S	T	28 V			A	
				29 R	F					30 C	B	31 M	S	
		32 S	O	S		33 D		34 V	F	O		C		
		S		35 T	V	I		O				36 W	A	C
37 P	C	B				38 P	O	T						L
L								39 A	T	40 T			41 K	
42 L	S	B								43 U	N	U	N	

SKYWARN Training

Ed Holloway, KØRPT

Lancaster County ARES EC

The annual SKYWARN training and certification will be held on Saturday, April 13, 2024, at the LARC Clubhouse, at 4420 NW 41 Street.

Schedule

- 08:00 - Doors open for ARES updates & photos
- 11:00 - NWS Program
- 12:30 - Credential Exam
- 13:00 - KØRPT LARC Program
- 14:00 - End

The online courses "Role of the SKYWARN Spotter" and "Spotter Convective Basics" are required for all new spotters. Be sure to add Ed Holloway, KØRPT, as your instructor to have your completion certificates emailed to me.

Retaking the courses each year is not required if I have your certificates; however, I highly recommend retaking them as a refresher. The course links can be found in the right-hand column on the NeARES.net website.

We continue to issue Lancaster County Emergency Management ID Cards and will take photos on training day. Please bring your driver's license as you complete your registration. Your data will be stored securely.

The 2024 storm spotter packets are being updated and will be emailed to all credentialed spotters in Lancaster County who have completed the ARES registration and ID card processes.



Lightning Detector Project

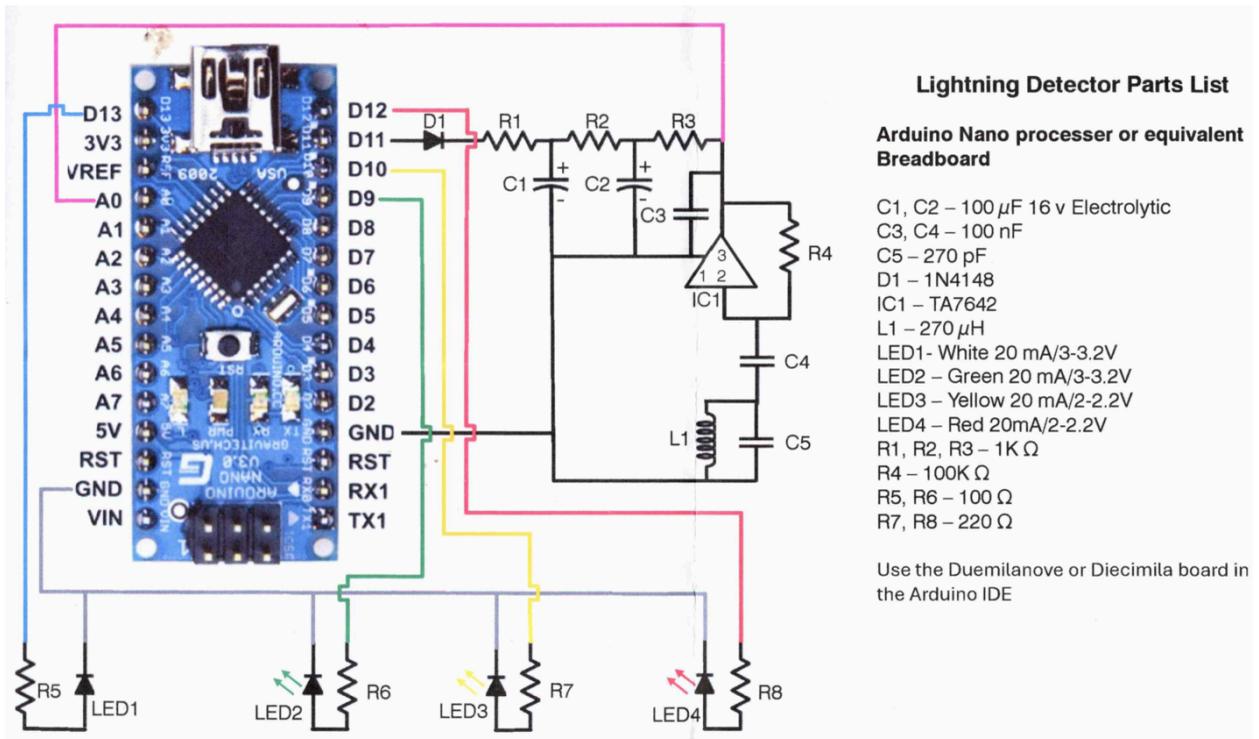
Bryan Leavitt, W0BCL

Below is an updated schematic for the lightning detector that was in last months log. I still have kits available if you want one. The system uses the TA7642 AM radio receiver to detect lightning strikes. It is stated to be very sensitive to lightning and very insensitive to other forms of electromagnetic static. This is a great project for a "Ham" to work on at very low cost. This will give you a chance to improve your soldering skills as well as working with an Arduino Nano compatible processor.

If you are interested in building it, let me know. I have all the parts for \$10.00. The kit will include all the components in the schematic, (Arduino Nano compatible processor), plus a breadboard for soldering everything together. You supply the wire, the solder, an enclosure, and the time to assemble it. For more information as well as the source code for the project check out the web site: <https://www.instructables.com/Sensitive-Arduino-Lightning-Detector-With-Homemade/>. I will have kits at the club meeting on March 13th.

Please note that the values for R1, R2, and R3 should be 1K not 10K as shown on the web site.

w0bcl@arrl.net



Estate and Equipment Sales

Gordon Trout, WØKBS

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

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

Estate and Equipment Sales

Gordon Trout, WØKBS

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 I.I	Super Logarithmic Speech Processor	\$25.00
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

WØEGK

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

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:

Lincoln Amateur Radio Club Inc.
PO Box 5006, Lincoln, NE 68505-0006

Total Due: \$ _____

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