

MARCH MEETING

7:30 pm, Wednesday, March 13 LI-COR, Lincoln, Nebraska

MARCH CLUB MEETING

It's that time of year again for our very own Ken Dewey, WDØBIV, to give his annual presentation. Ken will review the past 12 months of weather, especially our weird and wacky winter, as well as what we might expect with this spring's severe weather season. Ken will also give an overview of the upcoming Central Plains Severe Weather Symposium and Family Weatherfest, which includes storm spotter training, scheduled for Saturday, April 6, at the Nebraska Innovation Campus.

—Jeff Bennett, WØWKP

EVENT CALENDAR

MARCH

F	03/08	5:30 pm	Pre-Convention Dinner	Lee's Restaurant	9140 W Van Dorn St
Sa	03/09	9:30 am	NE ARRL Convention	Lancaster Event Ctr	84th & Havelock
Sa	03/09	11:00 am	HPQRP Homebrewers	Breadeaux Pizza	1425 Silver St, Ashland
W	03/13	12:00 pm	QCWA Luncheon	The Eatery	2548 S 48th St
W	03/13	7:30 pm	LARC Meeting	LI-COR	4647 Superior St
Th	03/14	7:30 pm	SATERN Meeting	Salvation Army	2625 Potter St
Sa	03/16	10:00 am	EOC Open House		1200 Radcliff, Ste 200
Th	03/21	7:00 pm	LARC Board Meeting	Red Cross	220 Oakcreek Dr
Tu	03/26	midnight	LOG Deadline	Email articles & ads to Id	og@k0kkv.org

APRIL.

M	04/01	7:00 pm	LOG Folding	Red Cross	220 Oakcreek Dr
Th	04/04	6:30 pm	VE Exams	Red Cross	220 Oakcreek Dr
Sa	04/06		Weatherfest	NE Innovation Campus	2021 Transformation Dr
W	04/10	12:00 pm	QCWA Luncheon	The Eatery	2548 S 48th St
W	04/10	7:30 pm	LARC Meeting	LI-COR	4647 Superior St
Th	04/11	7:30 pm	SATERN Meeting	Salvation Army	2625 Potter St
Sa	04/13	11:00 am	HPQRP Homebrewers	Breadeaux Pizza	1425 Silver St, Ashland
Th	04/18	7:00 pm	LARC Board Meeting	Red Cross	220 Oakcreek Dr
Tu	04/23	midnight	LOG Deadline	Email articles & ads to lo	og@k0kkv.org
M	04/29	7:00 pm	LOG Folding	Red Cross	220 Oakcreek Dr

Lincoln Amateur Radio Club, Inc.

PO Box 5006 Lincoln, NE 68505

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President	Ed Holloway	KØRPT	402/326-1139	k0rpt@arrl.net
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	Randy King	KØNC	402/450-0978	randyking1958@gmail.com
	Mike Long	KØSHC	402/770-2427	k0shc13@yahoo.com

WJØTX

Executive Director and Club Station Trustee

Justin Williamson

Reynolds Davis KØGND 402/488-3706 reynoldsd1@aol.com

2019 COMMITTEES

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wj0tx@arrl.net

2019 BOARD OF DIRECTORS

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Activities	KCØAOO	Chuck Bennett, KDØPTK	402/310-5003	kd0ptk@gmail.com
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Transmitter Hunts				
Website	WJØTX	Aaron Rogge, NØADR	402/617-0234	n0adr@ajrogge.com

PRESIDENT'S COLUMN



We've had some interesting snow events recently. My snowblower has been run quite a bit and showing its age, kind of like me.

We had a great turnout for the soup supper. Thanks to Bev and Chuck Bennett, KDØPTR and KDØPTK, for putting it all together, and to Randy King and Maureen Sadler, KØNC and KDØONM, for the use of the facility. The Elk's Lodge is an awesome place, and we certainly had some fun. Quite a few shared in the fun of karaoke as well. Thank you!

This edition of the LOG will include information from the ARRL concerning ARES on page 7. The ARRL Board has adopted the new strategic plan, and information will be updated on the NEARES website soon.

Thanks to Jim Davidsaver for his presentation last month at the club meeting. The new facility looks great, and I can't wait to take a tour during their open house on Saturday, March 16.

Public service season starts soon, so make sure you have all the needed stuff in your cars and get with Mike Long, KØSHC, to sign up.

Saturday, April 6, is Weatherfest and Storm Spotter training at Innovation Campus. Please attend if you can. For all the new folks wishing to go out on a point to storm spot, this training is required along with the EOC exam.

There are lots of fun things to do in ham radio and with the club. I'm glad to see many of you taking part.

We'll see you at the March club meeting. Dr. Ken Dewey, WDØBIV, is slated to give us another great presentation.

— Ed Holloway, KØRPT

LINCOLN HAMFEST

The Lincoln Hamfest / Nebraska State ARRL Convention is Saturday, March 9, at the Lancaster Event Center. It will run from 8:00 am to 3:00 pm. Be sure to bring a friend. The convention is open to the public this year. For more information, see www.lincolnhamfest.org.

The annual pre-convention dinner will be at Lee's Chicken on Friday, March 8, at 5:30 pm. Everyone orders off the menu. To reserve a seat, contact Bruce Wood, WAØRIM, at bruce.wood3@icloud.com.

—Aaron Rogge, NØADR







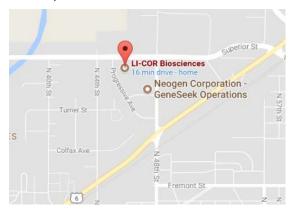




CLUB MEETING LOCATION

LI-COR BIOSCIENCES

4647 Superior St Lincoln, NE 68504



GOOGLE MAPS

https://goo.gl/maps/UEnkqqUHDB62

All club meetings for 2019 are scheduled to be held at LI-COR.

— Jeff Bennett, WØWKP

FEBRUARY LOG ASSEMBLY CREW



Thank you to the following fabulous individuals who prepared the February 2019 LOG for mailing: NØADR, NØJLR, KRØKAT, KØNC, KDØONM, KDØPTF, WØZWV,

and Becky Pugsley.

We need YOU! Plan now to join us for the next folding session on Monday, April 1! When we have a crew of at least 15 people prepping the LOG, the job is easy and fun for everyone.

— Jeri Lyn Rogge, NØJLR

JANUARY VE EXAM



We held our regular session at the Red Cross building on Thursday, February 7. We had five

participants, and thee results are as follows:

TECHNICIAN

- ◆ David Duncan, KEØUNL, Lincoln
- ◆ Robert Wicht, KEØUNM, Grand Island

GENERAL

- ◆ Daniel McNeally, KCØPJS, Lincoln
- ◆ Janice Wicht, KEØUNN, Grand Island
- ◆ Josh Capp, KEØUNO, Ashland

Congratulations to our new and upgraded licensees!

Volunteer Examiners (VEs) who participated this month were: KCØDHM, KCØPJR, KØQBZ, and KØSIL.

Upcoming exam dates are March 7, April 4, and May 2. We will continue to meet at the Red Cross, 220 Oakcreek Drive.

— Chris Evens, KCØPJR

SWITCH TO THE DIGITAL LOG

Make the switch to digital and be among the first to receive club news. Additionally, you will help keep the club's costs down so there are more funds for other activities.

Sign up online at k0kkv.org/lincoln-log or email log@k0kkv.org.

— Jeri Lyn Rogge, NØJLR

SOUP 'N KARAOKE RECAP

"CQ, CQ, CQ ... Unless there is a tornado, hurricane, flood or earthquake, the soup supper will be held as scheduled."

— Announcement on 146.760, KØKKV repeater.

The weather forecast throughout the week called for freezing rain, snow, and blizzard conditions. However, on Friday, it was 44 degrees at 3:00 pm, and the rain didn't start until after everyone had their fill of soup. It was a fun evening and there were close to 25-30 in attendance. And yes, everyone made it home safely before the blizzard.



Randy King, KØNC; Maureen Sadler, KDØONM; and Bob Sindlar, KØKPH, set trays on the tables with placemats and small cups for soup samples. The cup locations on the trays were labled to

correspond with the number of the soup. There were 12 different soups to enjoy. Ed Holloway's (KØRPT) wife, Kathleen, hit it out of the park with a slow cooker of delicious beer cheese soup.

Following soup and dessert, Ed, Justin Williamson, WJØTX, and others entertained

everyone with karaoke songs. Lois Steyer, NØOLK, was among the first-time performers, and she took to



it like a duck to water.

Send your favorite soup recipe to kd0ptr@gmail.com by March 11. All soup recipes will be made available by email and at the March 13 club meeting.

Our soup supper guest list included KØKPH, KØNC and family, KBØOK, NØOLK, KDØONG, KDØONM and husband, KDØPTE, KDØPTK, KDØPTR, WAØQYI and wife Donna, KØRPT and wife Kathleen, KØSHC, KDØTPP, WJØTX, WØWKP, WØZWV and wife Becky, and Randy Allen and his guest.

Thanks, Randy King, Maureen Sadler, and Bob Sindlar for the table set up and cleanup.

—Chuck Bennett, KDØPTK Bev Bennett, KDØPTR

BE PREPARED

A statewide tornado drill is scheduled for Wednesday, March 27, at 10:00 am. Weather/Tornado Drill Participation Report forms are available at lancaster.ne.gov/emergency.

—James Davidsaver Lancaster County Emergency Management Director

MEET YOUR FELLOW HAM: LANCE FERGUSON, WUØQ



I was looking for a way to do some community service a couple of years ago and decided that since I sat out on my west-facing front porch to watch storms roll in, being a storm spotter might be a good fit. I'd been watching storms since I was a kid growing up on the farm northeast of Lexington, Nebraska, so I looked into what it would take. I found out I needed to be a licensed Amateur Radio operator, so I began studying. I received my general ticket as KEØMWV in April 2017 and started watching the weather that spring.

Of course, like many of us, that simple beginning in short order turned into something a little more involved. In the 1980s, I served in the United States Air Force as an avionics technician on F-16s, working primarily with radar, communication, navigation, and fire control systems (weapons aiming).

After I got out of the service, I worked in various computer-related fields, particularly network design and engineering. I had an interest in Amateur Radio and was reasonably certain I could pass the written test with my background and training. However, with a growing family and a very limited internet, I couldn't see how to learn the then-required Morse code. While in electronic engineering school at the University of Nebraska at Omaha, I answered the call to ordained ministry, and that was it for my electronics days — or so I thought.

Six months into my journey of being a licensed Ham with no more storms to chase, I decided that maybe a small, inexpensive CW QRP rig would be a good idea. (For the record, my wife Lora saw this coming from the very beginning.) I found an MFJ 9040 QRP rig with an MFJ 16010 long-wire tuner, and away I went. My first antenna was a random wire cut for 40 meters, and I've since installed a 40m inverted V. Not satisfied with being limited to monoband QRP ops, I found a Kenwood TS450sat, and after some needed repairs to the transceiver and microphone, I was ready to get on the air. I needed a different antenna system to make use of all my new-found band capabilities. It had to go up quickly as I needed to do something before the weather got in the way of antenna work, though I've heard that antenna efficiency and gain is inversely correlated to temperature — I haven't tested this hypothesis. With the long wire tuner in hand, I put up another random wire. Much to my surprise, I was able to tune 160m-10m. Since getting my first ticket, I have upgraded to Amateur Extra and received my vanity callsign, WUØQ.

On HF, I'm primarily a CW operator, and in January this year, I worked as a special station op, K3Y/0, for the annual Straight Key Century Club K3Y event. In one month, K3Y ops made

over 32,000 QSOs worldwide. On VHF, I'm the weekly Wednesday evening ARES primary net controller, so I also check in to the 80m SSB Western Nebraska Net on occasion when I'm home in the mornings.

I am the pastor of Spirit of Hope Lutheran Church in the Highlands, and my wife and I live outside of Raymond. Together we have five daughters and 10 grandkids. My other hobbies, if such things actually exist once you're a Ham, are woodworking in the winter and gardening in the summer.

—Lance Ferguson, WUØQ

ARES STRATEGIC PLAN

The ARRL Board recently adopted a new ARES Strategic Plan which changed a few training requirements and ensured all required trainings are FREE. See the levels described below for more information. The entire plan is available online: www.arrl.org/files/file/Public Service/ARES/ARES Plan - rev 01-30 -19.pdf.

Level 1 — This basic ARES level training, conducted by local ARES leaders, covers the fundamentals of emergency communications and provides instruction on how participants are to conduct themselves while serving in the field or whenever otherwise activated. Participants may elect to remain at this level, or any level based upon the extent of their desired ARES involvement.

Level 2 — To qualify for this level, participants must complete the following courses: ARRL EC-001: Introduction to Amateur Radio Emergency Communications and FEMA Independent Study courses IS-100, IS-200, IS-700, and IS-800. These courses share critical knowledge for operating efficiently under the Incident Command System. Participants are also encouraged to take advantage of training opportunities available through partner agencies.

Level 3 — Candidates will complete training that prepares them to assume ARES leadership positions, including key program coordinators: Local/County Emergency Coordinator (EC), Assistant District EC, District EC, Assistant SEC, and Section Emergency Coordinator. Leaders are required to complete ARRL EC-016: Emergency Communications for Management and FEMA Professional Development Series courses IS-120, IS-230, IS-240, IS-241, IS-242, IS-244, and IS-288: The Role of Voluntary Organizations in Emergency Management. Participants also are encouraged to complete FEMA courses IS-300 and IS-400, should they be available locally.

—Mike Gill, WØMEG ARRL Nebraska District Emergency Coordinator

US NAVY EXPLORES AMATEUR RADIO AS A TRAINING ADJUNCT

The US Navy's Naval Air Warfare Center Weapons Division (NAWCWD) has adopted Amateur Radio training as a possible new approach to basic RF and electronics instruction. More than 20 NAWCWD employees took part in a week-long class in Point Mugu, California, in December. The class, which culminated in an examination session for the Technician license, offered NAWCWD employees a novel approach to teaching radio propagation, said Brian Hill, KF4CAM, the lead for electromagnetic maneuver warfare experimentation in the Avionics, Sensors, and E*Warfare Department. Hill, who got his license while he was in high school, is also the department's "innovation ambassador."



Some of the 23 NAWCWD employees who successfully passed Amateur Radio examinations proudly hold their CSCFs.

"I looked at the breakdown of current new hires and saw that many had degrees in computer science and thought that their classwork might not have covered things like RF propagation," Hill said. Rather than have employees sit through hours of PowerPoint briefings, Hill thought that a licensing course might be a more dynamic, hands-on approach to convey the basics and cover areas such as directional antennas, signal propagation, and modulation that are necessary for their work.

Initially, Hill had 10 class slots funded, but then Target Design Engineering Branch Head lan Mann, KI6YVO, got wind of the class, saw its potential, and secured funding to expand participation. Mann, a General-class licensee and a Ham for nearly 10 years, said he's been able to apply knowledge learned in the class to his NAWCWD work.

Target Systems Division head Milton Gabaldon also saw merit in the approach. He sat in on the classes, took the exam, and he's now KM6YPA. For him, it's about connecting the dots.

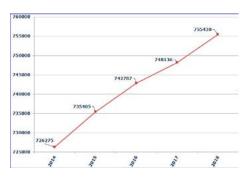
"It's about introducing people to electronics, to start understanding what RF is all about ...so when we talk about it in the test and evaluation world, [students] know what we're talking about," Gabaldon said. "They get a better view than 'I just do software.' Now they see 'My software controls this piece, which sends out RF jamming signals that protect the warfighter.' That's the most important takeaway."

In all, 23 employees who took and passed the Technician exam, and several also successfully tested for General and Amateur Extra licenses. Hill hopes to offer more hands-on classes in the future, and he's planning a Fox Hunt for the near future, as additional hands-on training. — Thanks to NAWCD and Public Affairs Officer Kimberly Brown; some information from C4ISRNet.

—ARRL

http://www.arrl.org/news/us-navy-explores-amateur-radio-as-a-training-adjunct

US AMATEUR RADIO POPULATION GROWS SLIGHTLY IN 2018



The US Amateur Radio population once again grew by about 1%, based upon 2017 and 2018 year-end FCC database statistics provided by Joe Speroni, AHØA. The 755,430 total licensees represent nearly 7,300 more ticket holders than those that were in the database at the end of 2017. Nearly 51% of the Amateur Radio population in the US — 384,145 — hold a Technician license. Generals are second with 175,949, and Amateur Extras number 147,369. Advanced and Novice licensee populations continue to decline, with 39,607 Advanced

and 8,360 Novices, as the FCC no longer issues Advanced or Novice licenses. A more significant statistic is 31,576 new FCC licenses last year, although that's 620 fewer than came aboard in 2017.

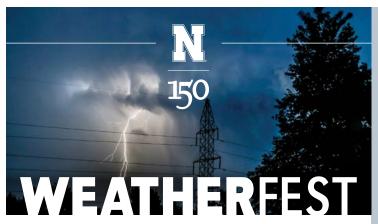
"New amateur licenses granted by FCC are down 2% over last year," noted ARRL Volunteer Examiner Coordinator (VEC) Manager Maria Somma, AB1FM, "but this is the fifth year in a row the total has been greater than 31,000. I predict that the number of new licensees will be more than 30,000 at the end of this year as well, and I'm optimistic this trend will continue."

Upgrades also are down slightly, compared to last year — 9,456 in 2018 versus 9,576 in 2017, she added. "For the fifth year in a row, we have conducted more than 7,000 Amateur Radio exam sessions in a year — an important milestone for the ARRL VEC," Somma recounted. "Our program continues to provide outstanding service to the ARRL, its members, and the entire Amateur Radio community."

ARRL VEC filed a total 30,393 license application forms last year, compared to 31,014 in 2017. That includes new, upgrade, modification, renewal, and club station filings. At 7,035 in 2018, the number of exam sessions conducted by ARRL VEC marginally trailed the 7,075 held in 2017. ARRL VEC served 34,493 exam applicants in 2018, compared to 35,352 in 2017. Exam elements administered by ARRL decreased from 47,152 last year to 45,817 this year, Somma said. Nearly 1,800 new Volunteer Examiners (VEs) have been added to the ARRL VEC program.

-ARRL

http://www.arrl.org/news/us-amateur-radio-population-grows-slightly-in-2018



19th Annual Family Weatherfest and Science Spectacular

SATURDAY, APRIL 6, 2019

— FREE EVENT. FREE PARKING —

Exhibits and Activities / 9:00 a.m.-2:00 p.m.

Severe Weather Symposium / 12:30 p.m.-4:00 p.m.

LOCATION

Nebraska Innovation Campus N 21st St and Salt Creek Roadway / Lincoln, Nebraska

weatherfest.unl.edu

SPONSORED BY

Nebraska Extension / College of Arts and Sciences, Geography Program and Department of Earth and Atmospheric Sciences / State Farm



WEATHERFEST IS A "WEATHER-READY NATION AMBASSADOR" EVENT











FEATURED EXHIBITS AND ACTIVITIES

- Hands-on science demonstrations and experiments for all ages
- Weather, climate change, and sciencerelated exhibits
- Emergency management vehicles on display
- Storm Spotter Workshop
- Information about Summer Weather Camp
- Storm chasers and their vehicles
- Storm photography
- Weather and climate books for sale
- Renewable energy and natural resources exhibits
- Explore the Doppler Radar on Wheels! (weather permitting)
- Meet and greet Lincoln and Omaha TV weathercasters!



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EOC OPEN HOUSE



All are invited to an open house to celebrate the new Lincoln/Lancaster County Emergency Operations Center.

When: March 16, 10:00 am - 12:00 pm

Where: 1200 Radcliff, Suite 200, Lincoln

https://goo.gl/maps/WyhE6EAG9fs

—James Davidsaver, Lancaster County Emergency Management Director

MEALS ON WHEELS



During inclement weather, there are times when the standard drivers for Meals on Wheels

are unable to make deliveries and LARC is requested to help. Are you interested in helping out and have a vehicle that can handle challenging weather conditions?

We are creating a list of Hams who can be called upon on short notice when a need arises.

If you can help out, please contact Ed Holloway, KØRPT, k0rpt@arrl.net, or Aaron Rogge, NØADR, n0adr@arrl.net, so we can put your name on the list.

We thank you, and those who depend upon Meals for Wheels also thank you.

—Aaron Rogge, NØADR

RADIO SPORT

MARCH

◆ 2-3 International DX–Phone

APRIL

◆ 14 Rookie Roundup-Phone

JUNE

• 18-10	June VHF
• 15	Kids Day
• 22-23	Field Day

— ARRL Contest Calendar

LOOKING FOR WRITERS

Have you designed a project that others might be interested in or made a discovery you want to share? If so, drop us a line at log@k0kkv.org.

We are always looking for new ideas and articles to share.

— Jeri Lyn Rogge, NØJLR

SUPPORTING BUSINESS MEMBERS

BRENT MANSHEIM INSURANCE

4848 Normal Blvd, Lincoln, NE 68506

COLLEGE VIEW DENTAL

3933 S 48th St, Lincoln, NE 68506

ABOUT

Supporting Business Members help offset the cost of producing this LOG and maintaining the LARC website, KØKKV.org. Check them out and let them know you appreciate their support.

To learn more about becoming a supporting business member, contact Ed Holloway, KØRPT, at 402/326-1139 or k0rpt@arrl.net.

ABOUT THE LINCOLN AMATEUR RADIO CLUB

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, as well as furthering the experience of those already licensed, and to create international good will.

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

If your label says, "COMPLIMENTARY," please consider joining the club and supporting its activities. Even if you are not currently active, your contribution will help to ensure the future of Amateur Radio. Annual dues are only \$20. For your convenience, please join by completing and mailing in the form below or visit k0kkv.org and use PayPal.

The LOG solicits your input. If you have an idea for an article, wish to contribute an article or photo, or want to place an ad in the LOG, contact the editors at log@k0kkv.org. The deadline for each issue is generally the last Tuesday of the previous month.



The LOG and other Lincoln Amateur Radio Club information are available at k0kkv.org and at 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 Registration Form						
Personal Information Name: Address:	_	Administrative use only:				
City:State: Phone: Email Address:_ License Class: □Novice □Tech □General	Zip+4:	□ Cash □ Credit Card □ Check				
Membership Information □ LARC (\$20 / Calendar Year: Jan - Dec) □ Data Uploaded □ Data Uploaded □ Para Uploaded □ Data Uploaded						
☐ ARRL: The National Association for Amateur Radio (\$49 / year) ☐ New ☐ Renewal						
Optional Donations ☐ Equipment fund \$: ☐ Social activities \$: Make checks to: Lincoln Amateur Radio Club, Inc. PO Box 5006 Lincoln NE 68505-0006 v2018.11						