

JUNE MEETING

7:30 pm, Wednesday, June 10 WebEx Virtual Meeting

JUNE CLUB MEETING

The June club meeting will be held online via WebEx (https://bit.ly/2Tv4bXh). If you have any questions about joining the meeting, please email president@k0kkv.org.

MULTIPLE FREQUENCY-SHIFT KEYING AND MYSTERIOUS OLIVIA — TRANS-POLAR FUN AND MORE



If you have taken the leap into using your shortwave transceiver as a digital mode communication tool, perhaps with the highly popular FT8 mode, or with another mode that uses a computer rather than with your voice or by using a Morse code key, then you understand the effectiveness of digital communication. If you have only heard

the glowing reports from others who have tried digital modes, then you are a candidate for a new journey that can be rewarding in many ways.

Olivia MFSK is an amateur radioteletype protocol that uses multiple frequency-shift keying (MFSK) and is designed to work in difficult (low signal-to-noise ratio plus multipath propagation) conditions on shortwave bands. The signal can be received accurately even if the surrounding noise is 10 dB stronger. It is commonly used by Amateur Radio operators to reliably transmit ASCII characters over noisy channels using the high-frequency (3 MHz to 30 MHz) spectrum. The effective data rate of the Olivia MFSK protocol varies but is typically around 150 characters per minute.

Continued on page 4

EVENT CALENDAR

JUNE

Th	06/04	6:30 pm	VE Exams	Holmes Lake Park	70th & Van Dorn Streets
W	06/10	7:30 pm	LARC Meeting	WebEx: https://bit.ly/2Tv	/4bXh
Th	06/11	7:30 pm	SATERN Meeting	Salvation Army	2625 Potter St
Tu	06/23	TBA	LARC Board Meeting	TBA	
Tu	06/23	midnight	LOG Deadline	Email articles & ads to lo	g@k0kkv.org

Lincoln Amateur Radio Club, Inc. PO Box 5006

Lincoln, NE 68505

	2020 Board of Directors					
President Vice President Secretary Treasurer	Justin Williamson Jeff Bennett Heather Chesnut Greg Brown Maureen Sadler Ed Holloway Mike Long Jim Nelson	WJØTX WØWKP KDØBXA KTØK KDØONM KØRPT KØSHC WØJRN	402/613-4444 402/432-0825 402/937-3540 402/366-7828 402/326-1139 402/770-2427	wj0tx@arrl.net jeff.wowkp@gmail.com secretary@k0kkv.org kt0k@arrl.net emkay586@gmail.com k0rpt@arrl.net k0shc13@yahoo.com w0jrn@outlook.com		
Club Station Trustee	Greg Brown	KTØK	402/937-3540	kt0k@arrl.net		

2020 COMMITTEES

Activities WØJRN Jim Nelson, WØJRN w0jrn@outlook.com Bylaw KDØBXA Heather Chesnut, KDØBXA secretary@k0kkv.org Awards KDØONM Randy King, KØNC 402/450-0978 randyking1958@gmail.com Club Station KØRPT Ed Holloway, KØRPT 402/326-1139 k0rpt@arrl.net Convention KØSHC Mike Long, KØSHC 402/770-2427 k0sch13@yahoo.com Education WØJRN Aaron Rogge, NØADR 402/617-0234 class@k0kkv.org Elections KDØONM Maureen Sadler, KDØONM 402/366-7828 emkay586@gmail.com Emergency Coord. ARES KØRPT Ed Holloway, KØRPT 402/326-1139 k0rpt@arrl.net Estate Assistance KØRPT Gordon Trout, WØKBS 402/580-5326 w0kbs@twc.com Facebook WJØTX Justin Williamson, WJØTX 402/613-4444 wj0tx@arrl.net Field Day KØRPT Ed Holloway, KØRPT 402/326-1139 k0rpt@arrl.net Holiday Party KDØONM Aaron Rogge, NØADR 402/617-0234 log@k0kkv.org Merchandise	Committee	Liaison	Chair	Phone	Email
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PRESIDENT'S COLUMN



Is it really almost summer? The weather is warming, the corn is beginning to emerge, and the smell of grilled food is certainly in the air. Surely, it must be here, even if there's no baseball on TV.

In compliance with local and state Directed Health Measures, our June meeting will again take place on the Cisco Webex platform. The link for the meeting is https://bit.ly/2Tv4bXh, which will also be published on the k0kkv.org website and our social media pages. We are also holding our Board meetings on Webex; club members who would like to join the meeting may email me at president@k0kkv.org for the link information.

Elsewhere in this issue, you will find information from Ed Holloway, KØRPT, about our Field Day plans. While it will certainly be a different experience than in years past, the ARRL states that "Field Day isn't about doing things the same way year after year — use this year to develop and employ a new approach that is in line with our current circumstances."

Our committees keep working on plans for events, once we can get back together. Mike Long, KØSHC, Public Service chair, tells me that the Cornhusker State Games is still planning on going forward. Additionally, Mike and his convention committee are preparing for our Hamfest on Halloween.

There was a great response to the spotter activation on Friday, May 22, especially considering the short notice, since we went from no watches to a tornado warning in a matter of minutes. It's worth noting the warning included Hallam, and May 22 was the 16th anniversary of the devastating Hallam tornado.

I hope to "see" you at our June meeting and look forward to potentially meeting in person in July!

— Justin Williamson, WJØTX

"YESTERDAY IS NOT OURS TO RECOVER, BUT TOMORROW IS OURS TO WIN OR LOSE."

— President Lyndon B. Johnson











CLUB MEETING CONTINUED

Frequency-shift keying (FSK) is a modulation scheme in which digital information is transmitted through discrete frequency changes of a carrier signal. The technology is used for communication systems such as telemetry, weather balloon radiosondes. caller ID, garage door openers, and lowfrequency radio transmission in the VLF and ELF bands. The simplest FSK is binary FSK (BFSK). BFSK uses a pair of discrete frequencies to transmit binary information, "0s" and "1s." With this scheme, the "1" is called the mark frequency and the "0" is called the space frequency. RTTY is an example of a BFSK radio signal modulation scheme.

Come meet Olivia and the digital chat mode that makes FT8 obsolete for social radio enthusiasts.

— Tomas Hood, NW7US

SILENT KEY

MIKE DISNEY, NØDIZ/SK



Mike Disney, NØDIZ/SK, passed away May 15 at around 4:15 am. Mike was a long-time friend who stood up for me in my wedding. Mike and I were roommates for many years before we

got our licenses, and once we got them, life really changed for us.

Mike loved volunteering for LARC, and he was among the top five volunteers every year. Mike also volunteered for the Red

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VE AT THE PARK



VEs associated with the Lincoln Amateur Radio Club (LARC) in Lincoln, Nebraska, held an exam session on the evening of May 7, 2020.

Many attendees came from outside of Lincoln. Of the eleven applicants, nine either received new licenses or upgraded their license classes.



The session was at an open air pavilion at Holmes Lake Park, and social distancing guidelines were followed. It was a cold and damp evening in Lincoln, which probably reduced the number of persons testing, but this was the largest group of applicants that LARC has had so far this year.

LARC VEs plan to continue testing at this site through the summer. Testing will be at 6:30 pm on the first Thursday of each month.

Bryan Leavitt, WØBCL

MAY VE EXAM SESSION



May was our first session to take place since the COVID-19 pandemic hit Lincoln, and it was cold! Our

session was outdoors under the western picnic pavilion at Holmes Lake Park. Be sure to read the article on the previous page by Bryan Leavitt, WØBCL, which has pictures describing the experience. We had a total of 11 examinees, of which nine passed their exams for new or upgraded licenses.

TECHNICIAN

- ◆ Sue Coles, KFØAFI, Seward
- ◆ Jeremy Kester, KFØAFK, Lincoln
- ◆ Robert Mitchell, KFØAFM, Papillion
- ◆ Charles Narans, KFØAFJ, Fremont
- ◆ Regan Rogers, KFØAFL, Bellevue

GENERAL

- ◆ Steve Elekes, KFØAFO, Lincoln
- Benjamin Malcolm, KFØAFN, Papillion
- ◆ Robert Mitchell, KEØZUP, Gretna

EXTRA

◆ Kent Zimmerer, KZ4RED, Columbus

To note, we have moved into the next letter in the scheme. The KFØ range has begun.

We thank the six VEs who sacrificed their time to assist with our session this month. They are WØBCL, KCØDHM, KEØKAZ, KCØPJR, KDØRIY, and AEØRP.

For the foreseeable future, our sessions will be held at Holmes Lake Park. Look for the HAM RADIO sign by the drive and the pavilion where we are testing. Our upcoming dates are June 4, July 2, and August 6.

— Chris Evens, KCØPJR

2019 CLUB DIRECTORIES



I currently have 29 directories available for 2020 club members. If you were not a club member in 2019 and you are a 2020 member, please e-mail me at secretary@kokkv.org

and I will get a directory in the mail to you. These will be available while supplies last.

— Heather Chesnut, KDØBXA

SATERN UPDATE

SATERN, the Salvation Army Team Emergency Radio Network holds club meetings the second Thursday of the month at the Salvation Army Community Center, 2625 Potter Street in Lincoln. Club meetings start at 7:30 pm.

The June 11 meeting will feature guest speaker Mary Joseph, NØTRK, Western Division SATERN Coordinator. Coordinator Joseph will discuss the future role of SATERN, along with other topics. All are welcome. You do not need to be a member of SATERN to attend. For additional information, contact any SATERN club member or email ke0eqy@arrl.net.

FIELD DAY 2020 KØKKV

The 2020 Field Day committee met to discuss the best way to move forward regarding this year's event, taking into consideration recent adjustments to local COVID-19 Directed Health Measures. After consideration, the committee elected to activate the club's call, KØKKV, at an undisclosed location, operated solely by committee members. We wanted to open the event to the public; however, we are leaning on the cautious side to keep everyone safe.

Club members are invited to activate their own callsigns and operate 1D or 1E. KØKKV will operate on 10 meters to facilitate easier local contacts with the club station. We encourage club members to be safe, practice social distancing, and include LARC in your logs.

— 2020 LARC KØKKV Field Day Committee

TEMPORARY RULE WAIVERS FOR ARRL FIELD DAY 2020



With one month to go before 2020 ARRL Field Day, June 27-28, the ARRL Programs and Services Committee (PSC) has adopted two temporary rule waivers for the event:

1) For Field Day 2020 only, Class D stations may work all other Field Day stations, including other Class D stations, for points.

Field Day rule 4.6 defines Class D stations as "Home stations," including stations operating from permanent or licensed station locations using commercial power. Class D stations ordinarily may only count contacts made with Class A, B, C, E, and F Field Day stations, but the temporary rule waiver for 2020 allows Class D stations to count contacts with other Class D stations for QSO credit.

2) In addition, for 2020 only, an aggregate club score will be published, which will be the sum of all individual entries indicating a specific club (similar to the aggregate score totals used in ARRL affiliated club competitions).

Ordinarily, club names are only published in the results for Class A and Class F entries, but the temporary rule waiver for 2020 allows participants from any Class to optionally include a single club name with their submitted results following Field Day.

For example, if Podunk Hollow Radio Club members Becky, W1BXY, and Hiram, W1AW, both participate in 2020 Field Day — Hiram from his Class D home station, and Becky from her Class C mobile station — both can include the radio club's name when reporting their individual results. The published results listing will include individual scores for Hiram and Becky, plus a combined score for all entries identified as Podunk Hollow Radio Club.

The temporary rule waivers were adopted by the PSC on May 27, 2020.

ARRL Field Day is one of the biggest events on the Amateur Radio calendar, with over 36,000 participants in 2019, including entries from 3,113 radio clubs and emergency operations centers. In most years, Field Day is also the largest annual demonstration of ham radio, because many radio clubs organize their participation in public places such as parks and schools.

Due to the COVID-19 pandemic, many radio clubs have made decisions to cancel their group participation in ARRL Field Day this year due to public health recommendations and/ or requirements, or to significantly modify their participation for safe social distancing practices. The temporary rule waivers allow greater flexibility in recognizing the value of individual and club participation regardless of entry class.

ARRL is contacting logging program developers about the temporary rule waivers so developers can release updated versions of their software prior to Field Day weekend. Participants are reminded that the preferred method of submitting entries after Field Day is via the web applet. The ARRL Field Day rules include instructions for submitting entries after the event. Entries must be submitted or postmarked by Tuesday, July 28, 2020. The ARRL Field Day web page includes a series of articles with ideas and advice for adapting participation this year.

The ARRL Field Day web page [www.arrl.org/fieldday] includes a series of articles with ideas and advice for adapting participation this year.

— ARRL

www.arrl.org/temporary-rule-waivers-for-arrl-field-day-2020

Public Service

Greetings, all! As public service chair, it is my responsibility to insure your safety, so I have to take a different approach to the way we may have to do things. Cornhusker State Games is still on the calendar at this time, which is our next big public service event.

That being said, how we provide our services may take a different approach. I am in contact with the Lincoln/Lancaster County Health Department for guidance. So, for right now, I urge you to sign up for the following CSG events: Mountain Bike, Gravel Grinder, Cycle Tour, Opening Ceremonies, and Lunch Deliveries. Email csg@ajrogge.com to sign up.

When you sign up, please supply your current phone number and email address so we can contact you, as changes can happen at any time! I hope you are all healthy and safe during this pandemic. Thank you in advance for your willingness to serve!

Mike Long, KØSHC
 Public Service Chair

ESTATE SALES

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	106	VHF Mobile	Kenwood	TM-271	2-meter mobile 60 watts	\$100.00

ESTATE SALES

Item	Category	Brand	Model	Description	Asking
101	Accessory	MFJ	MFJ-949D	Deluxe Versa Tuner II 300 Watt	\$50.00
102	VHF Mobiles	Regency	HR-312	2-meter Crystal Transceiver	\$10.00
103	HF Radios	Kenwood	TS-530SP	HF Transceiver	\$200.00

All prices are negotiable. If interested, contact Gordon Trout, WØKBS, at 402/580-5326 or w0kbs@twc.com.

FOR SALE / HELP WANTED

- ◆ Heavy-duty Tennsco steel workbench drawer \$30.00
- ◆ Heathkit IO-104 15 MHz Oscilloscope with manual \$30.00
- ◆ Mirage B23A 2-meter HT Power Amplifier, FM/SSB 5W/28W \$50.00
- ◆ Hallicrafters UTC filter Choke, 11 Hy, 500 mA \$30.00
- ◆ Neon sign Transformer, small, 3300V 9mA \$35.00

HELP NEEDED:

One or two (best) people who can mount a 2-meter vertical antenna on my roof. I can't do ladder work anymore. Location at about 15ft, near edge of roof. Mount is there.

CONTACT

Text/call 331-401-4952 or email 532Greenline@gmail.com

— Paul Mundt, KF9TV

Local Hero: KØNEB



"This is Joe [Eisenberg, KØNEB], a citizen hero who lives in Northeast Lincoln. Joe has been making protective face shields on his 3D printer since COVID-19 began. He says he has been running his 3D printer 24 hours a day to produce the forehead piece of the mask. His printer can make six per day. He then takes the other components and assembles the face shields. Joe stops by Station #5 every couple of days to drop off his shields. He says he is honored to be able to use his time and materials to help our first responders and other medical providers during this global crisis."

"Joe, we are honored to know you. We thank you for your generosity and your talents. Your kindness is greatly appreciated!"

— Jeff Leaf, Lincoln Fire and Rescue via Facebook

GLOBAL COVID-19 RADIO EVENT SET FOR JUNE 6 - 7



Stations bearing call signs that promote the "stay-at-home" message and the value of social distancing and isolation have sprung up during the COVID-19 pandemic, with some 150,000 messages of support shared around the world. An on-air gathering over the June 6 – 7 weekend will offer a further opportunity for stay-at-home stations and radio amateurs to share greetings in a contest-like framework, looking toward the day that restrictions will ease, eventually making

the stay-at-home injunction obsolete. The patron of the STAYHOME radio campaign is Finland's Foreign Minister Pekka Haavisto, and the worldwide activity has the endorsement of International Amateur Radio Union (IARU) President Tim Ellam, VE6SH/G4HUA, and the United Nations Amateur Radio Club.

"Amateur Radio operators across the world are experiencing something we have never seen before, with the current COVID-19 pandemic," Ellam said. "In times like this, on-the-air activities can benefit our communities and ourselves. Events such as this are important to improve operating skills. It is also encouraging us to get on the air and keep active, as well as promoting social distancing." Ellam expressed thanks to the national regulators in more than three dozen countries that made special stay-at-home-suffix call signs available for amateur use.

Sponsoring the event and campaign are the Finnish Amateur Radio League (SRAL), in cooperation with Araucaria DX Group (ADXG) of Brazil, and Radio Arcala (OH8X) in Finland.

UN Amateur Radio Club President James Sarte, K2QI, has said that 4U1UN will be on the air to support the global STAY HOME movement, as will sister stations 4U1GSC (operated as 4U9STAYHOME) and 4U1A (operated as 4U2STAYHOME).

Headed by Ria Jairam, N2RJ, and Peter Dougherty, W2IRT, special event station W2I/STAYHOME also will be on the air, operating CW, SSB, and FT8 simultaneously. (Jairam is ARRL Hudson Division Director.)

The STAYHOME event is set to get under way at 1000 UTC on Saturday, June 6, concluding 24 hours later. Bands involved will be 80, 40, 20, 15, and 10 meters, with CW, SSB, and digital (FT4/FT8 only) stations invited. Exchange a signal report and operator age, except for FT4/FT8 reports. Awards and certificates in the various operating categories will be available. Email [py2zea@gmail.com] for more information.

— ARRI

www.arrl.org/news/global-covid-19-radio-event-set-for-june-6-7

SILENT KEY CONTINUED

Cross for nine years. Mike had an AAS in Fire Protection Technology from SCC and enjoyed listening to LFR scanner traffic.

Mike handled duties on KØKKV as an NCO for many nets over the years. Both Mike and I alternated NCO duties. For two years, Mike did the swap net on .76 and, occasionally, he handled the audio news line for me. Mike loved SKYWARN, Cornhusker State Games, and anything that allowed him to use his radios and be a part of something.

Mike had neurofibromatosis from birth, but he never let it inhibit what he wanted to do in life. The experiences that the average young male wanted, Mike got. Mike even got on the back of a Harley and cruised with me to a biker rally on several occasions. He enjoyed being around people who accepted him and "razzed" and made quirky jokes to make folks smile.

In January, Mike was diagnosed with Stage 4 terminal cancer, and fortunately, it was a short battle. Mike was one of those "down home" people who would trust anyone and would be your closest friend. He could lift you out of a slump and make you smile. Mike was an asset to LARC, an asset that will be hard to cover.

I will miss having Mike over for holiday meals and celebrations. I will miss Mike's smile and laughter. I will miss my best friend!

R.I.P., Mike, NØDIZ/SK.

— Ed Holloway, KØRPT

ARRL RADIO SPORT

IUNE

◆ 13-15 June VHF
 ◆ 20 Kids Day
 ◆ 27-28 Field Day

JULY

◆ 11-12 IARU HF World Championship

AUGUST

 1-2 222 MHz and Up Distance Contest
 15-16 10 GHz & Up – Round 1
 Rookie Roundup – RTTY

SEPTEMBER

12-14 September VHF
 19-20 10 GHz & Up - Round 2
 12-13 EME - 2.3 GHz & Up

- ARRL Contest Calendar

SKYWARN® NET #2, MAY 22



Thank you to everyone who participated with SKYWARN®. Your willingness to step on short notice is greatly appreciated.

Thank you to WØBCL, KEØBHQ, KBØBNA, KDØDEU, NØDFI, KDØDIU, NØGUB, KEØIBW, KØJIA, KTØK, NØKDG, KØKPH, KCØLXQ, KBØMKS, KØNC, KDØONM, KDØONN, KDØRIY, KCØSVX, KEØTAS, KCØUCQ, ABØUP, KEØWLQ, NØWLX, KBØWZG, KDØZNM, ACØZQ, W3ALX, K3MED, N7RVN, and N8VRX for a being out there as the storm rolled in.

— Ed Holloway, KØRPT

Membership

Have you paid your LARC membership dues for 2020? If not, please send in your dues today. Memberships are on the calendar year, January through December. Your annual membership helps make many of the activities of this club possible and provides for this LOG.

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.

If you haven't renewed or joined, please visit <u>k0kkv.org/membership</u> or use the form below.

Everyone, licensed or not, who has an interest in Amateur Radio, is welcome.

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, further the experience of those already licensed, and create international goodwill.

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

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	Call Sign	Administrative		
Name: Address:	Call Sign:	use only:		
City:Sta	te: Zip+4:	☐ Cash☐ Credit Card		
	Email Address:	☐ Check		
License Class: □Novice □T	☐ Data Uploaded			
Membership Information				
☐ LARC (\$20 / Calendar Yea	r: Jan - Dec) Year:			
☐ ARRL: The National Association for Amateur Radio (\$49 / year)				
□ New	□ Renewal			
Optional Donations ☐ Equipment fund \$: ☐ Social activities \$:	Lincol	ur Radio Club, Inc. PO Box 5006 n NE 68505-0006		