

## **AUGUST MEETING**

7:30 pm, Wednesday, August 14 LI-COR, Lincoln, Nebraska

## **AUGUST CLUB MEETING**

## THE MAGYKAL ART OF THROWING ONE'S VOICE AROUND THE WORLD (THE ÆTHER WHISPER)

Propagation Prognosticator and Space Weather Wizard, Tomas Hood (NW7US), will reveal esoterica about the Sun-Earth connection, the ionosphere, and the propagation of short radio waves around the world.

**CONTINUED PAGE 3** 

## **EVENT CALENDAR**

#### **AUGUST**

| Th | 08/01 | 6:30 pm  | VE Exams           | Virginia's Café            | 3820 Cornhusker Hwy     |
|----|-------|----------|--------------------|----------------------------|-------------------------|
| М  | 08/05 | 7:00 pm  | LOG Folding        | Elks Lodge #80             | 5910 S 58th St          |
| Th | 08/08 | 7:30 pm  | SATERN Meeting     | Salvation Army             | 2625 Potter St          |
| Sa | 08/10 | 11:00 am | HPQRP Homebrewers  | Breadeaux Pizza            | 1425 Silver St, Ashland |
| Sa | 08/10 | 9:00 am  | KØGND Sale         | KØGND Home                 | 3901 S 42nd Street      |
| Su | 08/11 | 9:00 am  | KØGND Sale         | KØGND Home                 | 3901 S 42nd Street      |
| W  | 08/14 | 12:00 pm | QCWA Luncheon      | The Eatery                 | 2548 S 48th St          |
| W  | 08/14 | 7:30 pm  | LARC Meeting       | LI-COR                     | 4647 Superior St        |
| Th | 08/15 | 7:00 pm  | LARC Board Meeting | Elks Lodge #80             | 5910 S 58th St          |
| Tu | 08/20 | midnight | LOG Deadline       | Email articles & ads to le | og@k0kkv.org            |
| М  | 08/26 | 7:00 pm  | LOG Folding        | Elks Lodge #80             | 5910 S 58th St          |

#### **SEPTEMBER**

| Th | 09/05 | 6:30 pm  | VE Exams                | Virginia's Café            | 3820 Cornhusker Hwy     |
|----|-------|----------|-------------------------|----------------------------|-------------------------|
| W  | 09/11 | 12:00 pm | QCWA Luncheon           | The Eatery                 | 2548 S 48th St          |
| W  | 09/11 | 7:30 pm  | LARC Meeting            | LI-COR                     | 4647 Superior St        |
| Th | 09/12 | 7:30 pm  | SATERN Meeting          | Salvation Army             | 2625 Potter St          |
| Sa | 09/14 | 11:00 am | HPQRP Homebrewers       | Breadeaux Pizza            | 1425 Silver St, Ashland |
| Su | 09/15 |          | YMCA Y-Tri Bicycle Ride |                            |                         |
| Th | 09/19 | 7:00 pm  | LARC Board Meeting      | Elks Lodge #80             | 5910 S 58th SS          |
| Sa | 09/21 |          | MS Bicycle Ride         |                            | Springfield and Lincoln |
| Tu | 09/24 | midnight | LOG Deadline            | Email articles & ads to le | og@k0kkv.org            |
| M  | 09/30 | 7:00 pm  | LOG Folding             | Elks Lodge #80             | 5910 S 58th             |

Lincoln Amateur Radio Club, Inc.

PO Box 5006 Lincoln, NE 68505

| 2019 BOARD OF DIRECTORS                     |                    |        |              |                         |  |  |  |  |  |  |  |
|---|--------------------|--------|--------------|-------------------------|--|--|--|--|--|--|--|
| President                                   | Ed Holloway        | KØRPT  | 402/326-1139 | k0rpt@arrl.net          |  |  |  |  |  |  |  |
| Vice President                              | Jeff Bennett       | WØWKP  | 402/432-0825 | jeff.wowkp@gmail.com    |  |  |  |  |  |  |  |
| Secretary                                   | Heather Chesnut    | KDØBXA |              | secretary@k0kkv.org     |  |  |  |  |  |  |  |
| Treasurer                                   | Greg Brown         | KTØK   | 402/937-3540 | kt0k@arrl.net           |  |  |  |  |  |  |  |
|   | Chris Brennfoerder | KCØAOO |              | kc0aoo@gmail.com        |  |  |  |  |  |  |  |
|   | Randy King         | KØNC   | 402/450-0978 | randyking1958@gmail.com |  |  |  |  |  |  |  |
|   | Mike Long          | KØSHC  | 402/770-2427 | k0shc13@yahoo.com       |  |  |  |  |  |  |  |
|   | Justin Williamson  | WJØTX  | 402/613-4444 | wj0tx@arrl.net          |  |  |  |  |  |  |  |
| Executive Director and Club Station Trustee |                    |        |              |                         |  |  |  |  |  |  |  |
|   | Reynolds Davis     | KØGND  | 402/488-3706 | reynoldsd1@aol.com      |  |  |  |  |  |  |  |

|            | 2019 COMMITTEES       |         |                          |                     |                         |  |  |  |  |  |  |
|------------|-----------------------|---------|--------------------------|---------------------|-------------------------|--|--|--|--|--|--|
| Committee  |                       | Liaison | Chair                    | Phone               | Email                   |  |  |  |  |  |  |
|            | Activities            | KCØAOO  | Chuck Bennett, KDØPTK    | 402/310-5003        | kd0ptk@gmail.com        |  |  |  |  |  |  |
|            | Activities            | KCØAOO  | Bev Bennett, KDØPTR      | 402/875-2594        | kd0ptr@gmail.com        |  |  |  |  |  |  |
|            | Holiday Party         | KDØBXA  | Maureen Sadler, KDØONM   | 402/366-7828        | emkay586@gmail.com      |  |  |  |  |  |  |
|            | Awards                | KØRPT   |                          |                     |                         |  |  |  |  |  |  |
|            | Club Station          | KØNC    | Bruce Steyer, KBØKA      | 402/486-1714        | kb0ka.larc@gmail.com    |  |  |  |  |  |  |
|            | Convention            | KØSHC   | Mike Long, KØSHC         | 402/770-2427        | k0sch13@yahoo.com       |  |  |  |  |  |  |
| Convention |                       | KWSHC   | Heather Chesnut, KDØBXA  | secretary@k0kkv.org |                         |  |  |  |  |  |  |
|            | Education             | WJØTX   | Aaron Rogge, NØADR       | 402/617-0234        | class@k0kkv.org         |  |  |  |  |  |  |
|            | 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             | WØWKP   | Jeff Bennett, WØWKP      | 402/432-0825        | jeff.wowkp@gmail.com    |  |  |  |  |  |  |
|            | LOG Editors           | WJØTX   | Aaron Rogge, NØADR       | 402/617-0234        | log@k0kkv.org           |  |  |  |  |  |  |
|            | LOG Editors           | WIGIN   | Jeri Lyn Rogge, NØJLR    | 402/327-9777        | jeri@ajrogge.com        |  |  |  |  |  |  |
|            | Merchandise           | KØNC    | Randy King, KØNC         | 402/450-0978        | randyking1958@gmail.com |  |  |  |  |  |  |
|            | KØKKV (76) Nets       | KØRPT   | Eric Bigham, KØJIA       | 402/467-1680        | k0jia@xsmail.com        |  |  |  |  |  |  |
|            | Public Relations      | WJØTX   | Justin Williamson, WJØTX | 402/613-4444        | wj0tx@arrl.net          |  |  |  |  |  |  |
|            | Public Service        | KØSHC   | Mike Long, KØSHC         | 402/770-2427        | k0sch13@yahoo.com       |  |  |  |  |  |  |
|            | QSL Cards             | KTØK    | Greg Brown, KTØK         | 402/796-2201        | gwbrownx@inebraska.com  |  |  |  |  |  |  |
|            | Repeater              | KØRPT   | Ed Holloway, KØRPT       | 402/326-1139        | k0rpt@arrl.net          |  |  |  |  |  |  |
|            | Transmitter Hunts     |         |                          |                     |                         |  |  |  |  |  |  |
|            | Website               | WJØTX   | Aaron Rogge, NØADR       | 402/617-0234        | n0adr@ajrogge.com       |  |  |  |  |  |  |
|            |                       |         |                          |                     |                         |  |  |  |  |  |  |

## PRESIDENT'S COLUMN



Hey, all! It's been an interesting summer.
Many things are happening with public service, and there's more to come. I've been looking through the club's history and found

some neat things that I'll share in this and future LOGs. I can't wait!

Awards nominations will be needed soon. Aaron Rogge, NØADR, will post the nomination form soon. If you know someone who deserves recognition, please consider submitting a nomination.

Speaking of nominations, we're looking for a few good folks to run for the Board. Contact any Board member, and he or she will get you in touch with the folks on the election committee. We would love to have you. Keep a lookout for award and Board details in this and future LOGs. See you at the club meeting!

— Ed Holloway, KØRPT

## **LARC MEETING TOPICS**

- ◆ **SEPTEMBER:** Modes CW, digital, etc.
- OCTOBER: Contesting and logging programs

— Jeff Bennett, WØWKP

## **CLUB MEETING, CONTINUED**

Whether you are a seasoned HF radio DXer or SWLer, or you are just starting on your life-long love affair with all things radio, this talk may inspire you to begin new adventures on shortwave radio frequencies.

Tomas will touch on Sun science and space weather and may even reveal what to expect in the next 11 years of ham radio on the high frequencies.

NW7US is the current propagation columnist for CQ Amateur Radio and The Spectrum Monitor magazines.

— Tomas Hood, NW7US

## JULY LOG ASSEMBLY CREW



Thank you to the following individuals who prepped the July LOG: WØBCL, KDØBXA, KCØDHM, KDØDIU, NØJLR, KØJSL, KBØK, KRØKAT, KØNC, KDØPTE, KDØTPP, WØZWV,

Jon Peterson, and Becky Pugsley.

We appreciate the use of the Elks Lodge!

Join us next month to fold LOGs. Save the date and bring a date or buddy with you on Monday, August 26!

— Jeri Lyn Rogge, NØJLR











## **BOARD MEMBER ELECTIONS**



The Lincoln Amateur Radio Club, Inc. is a 501(c)(3) organization, which requires a Board of Directors to monitor activities, treasury, and assets. In accordance with LARC bylaws, the

president appoints a committee to handle the yearly elections. The members of the election committee will be announced at the August club meeting.

If you have considered running for the Board, we will begin the process of gathering names for the upcoming ballot and election in December. Instructions on how to get your name on the ballot will be explained at the August club meeting.

Elected club members serve a two-year term, and every year, four members of the current Board are up for re-election, along with those who choose to run.

If you enjoy involvement and want more to do with the club, consider running for the Board. You must be in good standing with your membership.

If you want to serve on the Board, your name must be submitted by October for publication in the November LOG, consisting of a short bio. Additionally, there will be an open time during the November meeting for the committee to receive nominations from the floor. Nominees from the November meeting will not be able to publish a bio prior to the election. All candidates will be given the opportunity to deliver a short

speech at the December meeting prior to the vote. It is better for you to submit your name before November!

Please consider running. This is an important and rewarding opportunity for all club members!

— Mike Long, KØSHC Election Committee Chair

## **JULY VE EXAM**



We had our session this month at Virginia's Café at 3820 Cornhusker Hwy

on July 11 due to the holiday on the 4th. Only two examinees came to get a new or upgraded license. I am glad to report that both succeeded. One even passed two exams. The results are as follows:

#### **TECHNICIAN**

◆ Johnathan Carlson, KEØWGV, Ashland

### **EXTRA**

◆ John Coultis, KEØWAI, Marysville, KS

Congratulations to our new and upgraded licensees!

Volunteer Examiners (VEs) who participated this month were WØBCL, KCØDHM, KØKPH, KØKTZ, KCØPJR, and KØSIL.

Upcoming exam dates are September 5, October 3, and November 7.

— Chris Evens, KCØPJR

## 2019 Public Service Calendar

| Sa | 8/24  | Mud Run                      | Lincoln                             |
|----|-------|------------------------------|-------------------------------------|
| Su | 8/25  | Heat Stroke 100 Bicycle Ride | Lancaster County & surrounding area |
| Su | 9/15  | YMCA Y-Tri Bicycle Ride      | Branched Oak Lake                   |
| Sa | 9/21  | MS Bicycle Ride              | Springfield, NE, and Lincoln        |
| Su | 10/6  | EYE RUN                      | Holmes Lake Park, Lincoln           |
| Sa | 10/12 | Market to Market Relay       |                                     |
| Su | 10/13 | CROP Walk                    | Lincoln                             |
| Sa | 10/26 | Oregon Trail Run of Nebraska | Hebron, NE                          |
| Su | 11/03 | Good Life Halfsy             | Lincoln                             |

Register to volunteer: k0shc13@yahoo.com

## **CLUB DIRECTORY PROPOSAL**

At the June 2019 LARC Board of Directors meeting, a proposal for the creation of a club directory was approved. In order to respect members' privacy concerns, several constraints were placed on this proposal:

- A. Participation in the directory is completely voluntary. You must affirmatively "opt in" to have any information included in the directory.
- B. You may choose to publish as little or as much personal information as you wish. Information considered for publication will include call sign, name, address, city, state, zip code, phone number, and email address. You may opt in on each of those categories individually.
- C. Authorized distribution of the directory will be limited to active LARC members.

In order to be the best possible financial stewards of the club's resources, it was

determined that at least 65 members must opt in to be included in the directory before it will be published. This notification will be published for 90 days and in three consecutive LOGs before the directory is created.

If you do not wish for any of your information to be included, you do NOT have to do anything, as only those opting in will be included.

If you are interested in opting in, fill out the form online at k0kkv.org/club-directory, send in the form in the Lincoln LOG [page 15], or you may email log@k0kkv.org. Submissions must be received by October 1.

Please direct your questions and comments about this proposal to your Board of Directors at board@k0kkv.org.

— Justin Williamson, WJØTX

## **PUBLIC SERVICE UPDATES**

## THANK YOU, CSG VOLUNTEERS!

I am deeply grateful to all who helped with the Cornhusker State Games (CSG)! The Nebraska Sports Council has reaffirmed the important role the Lincoln Amateur Radio Club has in making the games safe and fun for all athletes who come to our city.

Thank you to the members of my CSG leadership team: Aaron Rogge, NØADR; Heather Chestnut, KDØBXA; Ron Mayhew, KDØBHQ; Peg Kirby, KDØONQ; and Bryan Leavitt, WØBCL.

The following list consists of Hams who gave up a Saturday or Sunday morning to help with an event or came out in 100-degree heat for Opening Ceremonies.

NØADR, WBØAEA, KDØBXA, KDØDEU, NØDIZ, KEØELM, KEØEQW, KEØERA, NØFUF, NØJLR, KØJSL, KBØK, KTØK, KYØK, KRØKAT, KØKPH, WXØL, KCØML, KØMXE, KØNEB, NØOLK, KDØONN, KDØONQ, KDØOVK, KDØPTE, KDØPTF, KØSHC, KEØTNR, KDØTPM, KDØTPP, KEØUNL, KDØVSJ, KDØWDP, NØWLX, KØWTV, KCØWWR, NØYNB, KDØZNM, WØZNS, KCØDHM, WØBCL, and WØKBS.

Thank you also to SE Medical Reserve Corp (MRC) members Cody Meredith, NØWPA; Kristin Meredith, K1STN; Mari Flanagan; William Kimsey; Richard Steckley; and non-ham volunteers Chris Kirby, Liam Rogge, and Sarah Rogge.

I hope you will participate next year!

 Mike Long, KØSHC Public Service Chair

#### MORE EVENTS! WE NEED YOU!

Well, with the summer's heat really picking up, so are we! The month of August is as busy as ever with the following events, and I truly need your help!

Saturday, August 24, is the Nebraska Sports Council Mud Run, at the Lancaster Event Center. Sign up and watch people get muddy. This

year's event is changing some, so if you're interested in seeing what happens, please consider signing up. It doesn't take up your entire day, and what fun it is!

The next day, Sunday, August 25, is the



Great Plains Bicycle Club HEATSTRIKE Heat Stroke 100, a ride which is returning to the Ashland area. It consists

of four routes: 25, 50, 75, and 100-mile rides! If it lives up to some of the past rides, our help will be truly appreciated by the bicycle club, as we keep the routes safe for the riders, some who may not be prepared for what typically is a HOT DAY!

Please consider helping with this event. It gives you the satisfaction of community service at its best. I will have sign-up sheets for these events. I hope many of you will consider helping with one or both. Again, thank you for all you do, helping with these events, giving your time and skills!

> — Mike Long, KØSHC Public Service Chair

## QUIZ TIME!

Try your hand at these questions from the Technician test pool. **The answers are on page 10, but don't look ahead!** Extra points go to those who mark their answers in ink!

#### T1A01

# Which of the following is a purpose of the Amateur Radio Service as stated in the FCC rules and regulations?

A. Providing personal radio communications for as many citizens as possible

B. Providing communications for international non-profit organizations

C. Advancing skills in the technical and communication phases of the radio art

D. All of these choices are correct

### T4A05

## What is the proper location for an external SWR meter?

A. In series with the feed line, between the transmitter and antenna

B. In series with the station's ground

C. In parallel with the push-to-talk line and the antenna

D. In series with the power supply cable, as close as possible to the radio

### T5A12

# What describes the number of times per second that an alternating current makes a complete cycle?

A. Pulse rate

B. Speed

C. Wavelength

D. Frequency

#### **T6D08**

## Which of the following is combined with an inductor to make a tuned circuit?

A. Resistor

B. Zener diode

C. Potentiometer

D. Capacitor

#### T7A10

## What device increases the low-power output from a handheld transceiver?

A. A voltage divider

B. An RF power amplifier

C. An impedance network

D. All of these choices are correct

### T8A05

## Which of the following types of emission has the narrowest bandwidth?

A. FM voice

B. SSB voice

C. CW

D. Slow-scan TV

#### T9A09

# What is the approximate length, in inches, of a half-wavelength 6 meter dipole antenna?

A. 6

B. 50

C. 112

D. 236

#### T0B05

## What is the purpose of a gin pole?

A. To temporarily replace guy wires

B. To be used in place of a safety harness

C. To lift tower sections or antennas

D. To provide a temporary ground

## KØGND EQUIPMENT FOR SALE

Equipment listed below is for sale prior to August 10. Plan to join us for a GIANT SALE of general ham radio equipment, antennas, coax, publications, parts, numerous other items, and remaining listed items on Saturday and Sunday, August 10 and 11, 9:00 am - 3:00 pm on both days, at 3901 S 42<sup>nd</sup> Street, Lincoln, Nebraska, at the home of KØGND, Reynolds Davis.

| Brand      | Model      | Description                         | Price      |
|------------|------------|-------------------------------------|------------|
| Airline    | 04BR-907A  | Console radio sold by Wards 1940-41 | \$50.00    |
| Yaesu      | FT-1000    | HF Transceiver                      | \$1,000.00 |
| ICOM       | IC-706MKII | HF/VHF Transceiver                  | \$600.00   |
| ICOM       | IC-207H    | 2-meter Transceiver                 | \$200.00   |
| ADI        | AR-147     | 2-meter Transceiver                 | \$100.00   |
| Kenwood    | TR-7930    | 2-meter Transceiver                 | \$50.00    |
| ADI        | AR-247     | 220 Transceiver                     | \$150.00   |
| Regency    | HR2B       | 2-meter Transceiver                 | \$20.00    |
| Alpha      | 374A       | HF Linear Amplifier                 | \$1,300.00 |
| Hy-gain    | HDR-300    | Rotor Controller                    | \$500.00   |
| CDE        |            | Rotor Controller                    | \$300.00   |
| Telos      |            | Digital Phone Patch                 | \$250.00   |
| Soyo       |            | 15-inch flat screen                 | \$30.00    |
| Samsung    |            | 15-inch flat screen                 | \$30.00    |
| LDG        | Z100       | Antenna Tuner                       | \$125.00   |
| Pioneer    | CT-F2121   | Cassette Recorder                   | \$100.00   |
| Wilson     | WH2510     | CB Radio                            | \$25.00    |
| Dentron    | Supertuner | 160-10 1KW Tuner                    | \$150.00   |
| Waterman   | BC-1060-A  | Oscilloscope                        | \$200.00   |
|            | OS34/USM32 | Oscilloscope                        | \$50.00    |
| Drake      | 2-BQ       | Q Multiplier                        | \$60.00    |
| Drake      | 2-B        | Q Receiver                          | \$150.00   |
| Kantronics | KPC3       | TNC                                 | \$100.00   |
| Kantronics | KPC3       | TNC                                 | \$100.00   |
| Heathkit   | HM-102     | Wattmeter                           | \$75.00    |
| Heathkit   | HM-2102    | SWR/Wattmeter                       | \$60.00    |
| Heathkit   | IN-27      | Decade Capacitance Box              | \$50.00    |
| Shure      | M68        | 4-channel microphone mixer          | \$50.00    |
| Top Ten    |            | Antenna Switch                      | \$100.00   |
|            |            | Home built tnc                      | \$15.00    |

Contact: Gordon Trout, WØKBS, 402/580-5326, w0kbs@twc.com.

## ESTATE ITEMS FOR SALE

| Brand         | Model         | Description                        | Price    |
|---------------|---------------|------------------------------------|----------|
| KAØJGE Estate |               |                                    |          |
| Kenwood       | TS-430S       | HF Transceiver                     | \$300.00 |
| Kenwood       | PS-430        | Power Supply                       | \$70.00  |
| Kenwood       | MC-50         | Microphone                         | \$40.00  |
| Shure         | CM17K         | Microphone                         | \$10.00  |
| Astatic       | D104          | Microphone w/T-UG9 Stand           | \$35.00  |
| KCØVRK Estate |               |                                    |          |
| MaxRad        |               | 2-meter mobile antenna - lip mount | \$10.00  |
| Unknown       |               | Mag mount base                     | \$10.00  |
| LARC Items    |               |                                    |          |
| ICOM          | IC-2000H      | 2-meter mobile                     | \$100.00 |
| Mr. CB        | 7078          | 4-amp power supply                 | \$10.00  |
| NØLWL Items   |               |                                    |          |
| Heathkit      | AmpKeyer      | Amplifier Keyer                    | \$15.00  |
| MFJ           | MFJ-962D      | Versa Tuner                        | \$175.00 |
| Powerex       | MH-C777PlusII | Battery Charger & Conditioner      | \$10.00  |
| Pyramid       | SWR-14        | SWR Meter CB?                      | \$10.00  |
| RigBlaster    | Pro           | Soundcard Modem & CAT control      | \$50.00  |
| Workman       | SX144/430     | SWR Meter                          | \$25.00  |
| RF Concepts   | RFC2-417      | 2-meter amplifier 170watts As-is   | \$200.00 |
| HyGain        | CD-45         | Rotor Controller                   | \$25.00  |
| Unknown       |               | Dry Dummy Load w/N connector       | \$50.00  |
| Shure         |               | Desk Microphone                    | \$15.00  |
| Turner        | Plus 3        | Desk Microphone                    | \$30.00  |
| Astron        | RS-35A        | Power Supply                       | \$125.00 |
| ICOM          | ID-800H       | Dualband Digital Mobile            | \$250.00 |

## ESTATE ITEMS FOR SALE, CONT.

#### **NØZXZ Items**

| TYT     | TH-UV8000D | Dualband HT 10 watt          | \$50.00  |
|---------|------------|------------------------------|----------|
| Yaesu   | VX-3       | Dualband HT                  | \$80.00  |
| Baofeng | GT-3TP     | Dualband HT 8 watt           | \$30.00  |
| Kenwood | TM-271     | 2-meter mobile 60 watt       | \$100.00 |
| Nissei  | RX-403     | SWR/Wattmeter 2KW 125-525Mhz | \$75.00  |

Contact: Gordon Trout, WØKBS, 402/580-5326, w0kbs@twc.com.

## **QUIZ TIME! ANSWERS**

## T1A01 [97.1]

Which of the following is a purpose of the Amateur Radio Service as stated in the FCC rules and regulations?

C. Advancing skills in the technical and communication phases of the radio art

#### T4A05

What is the proper location for an external SWR meter?

A. In series with the feed line, between the transmitter and antenna

### T5A12

What describes the number of times per second that an alternating current makes a complete cycle?

D. Frequency

#### T6D08

Which of the following is combined with an inductor to make a tuned circuit?

D. Capacitor

#### T7A10

What device increases the low-power output from a handheld transceiver?

B. An RF power amplifier

### T8A05

Which of the following types of emission has the narrowest bandwidth?

C.CW

#### **T9A09**

What is the approximate length, in inches, of a half-wavelength 6 meter dipole antenna?

C. 112

#### T0B05

What is the purpose of a gin pole?

C. To lift tower sections or antennas

## 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 <u>k0kkv.org/lincoln-log</u> or email log@k0kkv.org.

— Jeri Lyn Rogge, NØJLR

## FROM MINUTES PAST

## **NOVEMBER 13, 1968**

Reynolds Davis, radio and TV coordinator from Swanson-Sinkey-Ellis, Inc., presented the club with a proposal to provide a radio-directed collection service for Operation Santa Claus on December 16, 1968.

The club discussed and voted to accept the responsibility for providing the necessary radio-equipped vehicles and a base station to support Operation Santa Claus.

— Ed Holloway, KØRPT

## FROM THE ARRL: FREE HPM 150TH BIRTHDAY EVENT LOGGING SOFTWARE NOW AVAILABLE

Scott Davis, N3FJP, perhaps best known for the ARRL Field Day software that bears his call sign, has developed a free logging program for ARRL's Happy 150! Hiram Percy Maxim Birthday Celebration on-the-air event that gets under way on August 31 and runs for nine days. Davis calls his software "Hiram Percy Maxim Contest Log 1.0." Maxim, 1AW, who co-founded ARRL, was born on September 2, 1869.

"I've never created a program for a non-recurring event before, because the coding time required is too large," Davis said in a post to the N3FJP software user group. "I've made this exception because this is a really nice, simple rule set with the very popular Field Day-style exchange that has the added bonus in schedule flexibility of running for nine days. The Hiram Percy Maxim celebration sure looks like a well-designed event that will be a lot of fun for us all."

The Happy 150! event will begin at 0000 UTC on August 31 and continue until 2359 UTC on September 8. It is open to all radio amateurs. The goal is straightforward:

Contact as many participating stations as possible. W1AW and all ARRL members will append "/150" to their call signs during this event (DX operators who are ARRL members may operate as <call sign>/150, if permitted by their country of license.) Participating stations will exchange a signal report and ARRL/RAC Section. DX stations will send a signal report and "DX." All Amateur Radio bands but 60, 30, 17, and 12 meters are available. Permitted modes are CW, any voice mode, and digital.

Davis said "Hiram Percy Maxim Contest Log 1.0" is full featured and "very easy and intuitive to use."

"If the Hiram Percy Maxim celebration is received as strongly as it appears, my hope is that ARRL will decide to make this an annual event," Davis allowed. "After all, birthdays come once a year, and we now have the infrastructure to continue in place."

Online article link: <a href="http://www.arrl.org/">http://www.arrl.org/</a> news/free-hpm-150th-birthday-event-logging-software-now-available

## LARC AWARDS

The award season is upon us. Let's take a look at the background and rules of each of the awards offered annually by the Lincoln Amateur Radio Club.

## ROBERT FRICKE HOMEBREW AWARD

Funded by a generous contribution to the Lincoln Amateur Radio Club, this annual award will include a certificate and \$100 cash. At the November meeting each year, a panel of judges will evaluate entries, apply a consistent scoring system and the awards committee will announce the winner at the club's annual holiday party.

Bob Fricke, WØPOL, was a consummate builder, producing finished products that could have been mistaken for commercially manufactured equipment. After he died in 2004, many of his kits were sold at auction. Bob's wife, Martha, established the award in 2005.

For each entry, each judge will score the entry and then turn in the signed sheets to the awards committee. Only current members of the Lincoln Amateur Radio Club will be eligible for the award. The judging criteria is as follows. Bring your homemade item to the November meeting for judging.

Each judge will award up to 10 points for each of the following criteria:

- Overall appearance (to a layman)
- Circuit appearance (soldering, etc.)
- Overall design/layout
- Custom design (five automatic points if the circuit was developed by the entrant)
- Operation
- Achievement of objective (Does it do what was intended?)

## **JERRY COX AWARD**

In the early 1950s, Jerry Cox, WØMAO, was without a doubt the most active Ham in the Lincoln area. Though disabled and in a wheelchair, he was on the air constantly, monitoring several frequencies and providing assistance where needed. Jerry became a silent key about 1960, and his mother thought it seemed fitting to recognize Amateur Radio operators who carried on his dedicated interest in ham radio. At that time the Jerry Cox Award came into being, sponsored by the Lincoln MARS Club [used at NEMA EOC].

The award was to be presented annually to the Ham whose interests closely followed the interests of Jerry — excellent operating techniques, active in public service, and interest in experimenting and exploring things of a technical nature. In addition, the Ham should be friendly to all and eager to help new Hams. It is not designed to be a popularity contest. Nominees are to be made by fellow Hams and the recipient selected from those nominated.

All nominations are to be in writing and submitted to the selection committee no later than November 15. The recipient has his or her name and call affixed to the award plaque, recognizing excellence in the Amateur Radio community.

### ED WOERNER MENTORING AWARD

This award is presented to an individual who has acted as a mentor (or "Elmer") and helped other Ham operators to advance in the hobby. By definition, a mentor is a wise and trusted counselor or teacher. Ham operators have a tradition of helping one another, and the Ed Woerner Award is given to one whose assistance has gone above and beyond what would have been expected. Nominations for this award are sought from Amateur Radio operators in the area; club membership is not necessary.

## JERRY KOHN PUBLIC SERVICE AWARD

Jerry Kohn, WDØEGK, died of a stroke on November 2, 2008. Dr. Kohn was a family dentist to some club members, but to many more of us he was the spark plug for numerous public service events. He was one of a handful of Hams who had worked with the Cornhusker State Games every year since its inception in 1984.

There was seldom a public service event that Jerry missed. His volunteer hours total was either at the top or near the top of the list year after year. Jerry served on the LARC Board a total of 14 years, beginning in 1980. The Jerry Kohn Award was created in 2008 to recognize outstanding public service by a club member based on statistics showing total participation and factors such as total hours or bike miles.

#### STEVE MAY AWARD

Steve May, WAØASM, loved a challenge and always worked to fix his own radios as well as those of others. He was a man who never needed recognition but was always there to help. This award recognizes a club member who sees a need and steps forward to take it on without expecting recognition, and always with a smile. The current Board will select the recipient in consultation with Dianna May and present the award at the club holiday party.

#### 2019 LARC AWARDS

All requests and nominations for the Jerry Cox, WØMAO, and Robert Fricke, WØPOL, Awards can be submitted online at <u>neares.net/larc-awards</u> or emailed to Ed, KØRPT, no later than November 13 to allow time for judging and plaques to be printed.

— Ed Holloway, KØRPT k0rpt@arrl.net Awards Chair

## MINUTES OF LINCOLN AMATEUR RADIO CLUB, MARCH 9, 1953

#### NOTE

Below are the first recorded minutes of the LARC Board of Directors. I am going through all the minutes and preparing them so you can see copies of the originals. I will let you know when they are available for viewing.

— de, Ed Holloway, KØRPT

Meeting held at Bethany Community House.

Present: 32

Meeting Conducted by: Andy Andros, WØLTE Eats Committee: WØHQQ, WØZNI, WØBXJ, and WØFLF

This was an organizational meeting; culminating efforts along this line started informally in Oct. 1952 at WØHQQ's house.

Ninues of Lincoln Amsteur Radio Club War. 9,1983
at Setheny Gorwantty House. Freeent 32
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This was an organizational reseting culminating efforts along the setting this line storted informally in Ost. 1983 100 Januar. The PROPERTY of the setting and the sett

Those in attendance expressed desire for such a club and most agreed there was a definite need for such a club. It was generally agreed that it would be best to keep meetings as informal as possible, with the majority of the time spent in informal rag-chewing.

Voted to have a five man Board elected by lot. The following designated their availability and willingness to serve on this Board: WØLTE, OHP, NTU, JDJ, URN \*\*RGY, BXJ, HQQ, FTR, VYX\*\*CMS. The first five listed were the first five drawn in that order and constitute the Board of Directors. LTE selected as Chairman and JDJ Sec.-Treas.

Agreed that each man should attempt to conduct a meeting and arrange for technical or other type of talks. Finance will be maintained by voluntary contributions at each meeting.

Voted to affiliate with ARRL, submitting only statement of purpose since we will have no formal constitution. Any question of procedure will be decided on by Robert's Rules of Order.

VYX talked on prospects of holding Midwest Convention this fall in Lincoln. He was instructed to get more info. VYX demonstrated grid dip meter. Eats consisted of hot dogs, potato chips, ice cream, and coffee. Meeting adjourned about 10 p.m. Rag-chewing continued till 12M.

Treas Report: Curly Wagner turned over 9:76

Contributions Mar. 9 10:50

Bal: 20:36

## RADIO SPORT

### AUGUST

◆ 3–4 222 MHz and Up Distance Contest

◆ 17–18 10 GHz and Up — Round 1

◆ 18 Rookie Roundup — RTTY

#### **SEPTEMBER**

- ◆ 14–16 September VHF
- ◆ 21–22 10 GHz and Up Round 2
- ◆ 21–22 EME 2.3 GHz and Up

### **OCTOBER**

- ◆ 21–25 School Club Roundup
- ◆ 19–20 EME 50 to 1296 MHz

— ARRL Contest Calendar

## **SUPPORTING BUSINESS MEMBERS**

### **BRENT MANSHEIM INSURANCE**

4848 Normal Blvd, Lincoln, NE 68506

### **COLLEGE VIEW DENTAL**

3933 S 48<sup>th</sup> 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.

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## **LARC Club Member Directory Opt In**

#### Personal Information Name: Call Sign:\_\_\_\_ Must be Address:\_\_\_\_ received by \_\_ State:\_\_\_\_\_ Zip+4:\_\_\_\_ City:\_\_\_\_ October 1 Phone:\_\_\_\_ Email Address: License Class: □Novice □Tech □General □Advanced □Extra I give permission to **Club members:** If you do not wish for any of your publish my information to be included, you do NOT have to do □ Name & Call Sign anything, as only those opting in will be included. □ Address □ Phone Number Make to: Lincoln Amateur Radio Club, Inc. □ Email Address

A minimum of 65 members must opt in for the directory to be produced. The directory is only for club members.

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

## 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 <a href="log@k0kkv.org">log@k0kkv.org</a>. 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 <u>k0kkv.org</u> and at <u>facebook.com/LARClincoln</u> 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:   | Call Sign:                         | Administrative use only:                                       |  |  |  |  |  |  |  |  |
| City:State: Phone: Email Address:_ License Class: □Novice □Tech □General  |                                    | □ Cash □ Credit Card □ Check □ Data Uploaded                   |  |  |  |  |  |  |  |  |
| Membership Information  □ LARC (\$20 / Calendar Year: Jan - Dec) Year: □ ARRL: The National Association for Amateur Radio (\$49 / year) □ New □ Renewal |                                    |  |  |  |  |  |  |  |  |  |
| Optional Donations  □ Equipment fund \$: □ Social activities \$:  | ecks to: Lincoln Amateu<br>Lincolr | r Radio Club, Inc.<br>PO Box 5006<br>NE 68505-0006<br>v2018.11 |  |  |  |  |  |  |  |  |