

Ham Hum

Apr 2016 Volume LXV1, Issue 4

Our March meeting program was presented by Liberty Labs. Established in 1988 by Mike Howard, WAØSPG, Liberty Labs, Inc. is a world-class leader in antenna calibrations. They test and calibrate antennas for all types of industries, including antennas that are aboard satellites that are orbiting Mars. Each year they test and calibrate up to 14,000 antennas. They also calibrate electronic instrumentation, such as RF and EMI receivers. Liberty Labs (Liberty Calibration) is an international entity, traveling all over the globe to their customers. The company is located in the middle of America's Heartland in rural western Iowa. The hilly terrain provides an ideal location virtually free of ambient radio signals or other sources of electromagnetic interference. Antenna calibrations are conducted on a CISPR 16-1 compliant 50 by 80 Meter Ground Plane. Logon to www.aksarbenarc.org and watch the full presentation video taken by Russ NEOG.



Mike Howard WAØSPG

APRIL MEETING:

The April Program will be on 8 April 2016, 7:00 PM, Red Cross Bldg., 81st & Spring Streets, Omaha, NE Topic is building a directional antenna you can use for Fox hunts or hidden transmitter hunts. See page 10.

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HAM HUM is the official newsletter of the **AK-SAR-BEN Amateur Radio Club, Inc.** in Omaha, Nebraska. It is printed monthly and is distributed to members of the club, local disaster officials, local electronics outlets, and editors of other ham radio newsletters. Articles about activities of members are solicited. The subject matter must be of general interest to radio amateurs and be understandable to a significant portion of the membership. No payment will be made to contributors and submissions will be subject to the usual editorial review. Articles containing statements that could be construed as libel or slander will not be accepted. No guarantee can be made that an accepted article will be published by a certain date. Send your contributions to :

Ham Hum, P.O. Box 24551, Omaha, NE 68124-0551 or

email hamhum@aksarbenarc.org.

Please contact the editor for permission to reprint anything appearing in the Ham Hum.

Address Change?

If you've changed your mailing address, or would prefer to receive the *Ham Hum* via email, please contact Mary NØTRK (Membership) or Brian KDØSVD (Publications) with your new information.

AARC on the Web

Club Web Site: <http://www.aksarbenarc.org/>

Facebook: <https://www.facebook.com/aksarbenarc>

Yahoo! Groups: <http://groups.yahoo.com/group/AKSARBENTalk/>

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AKSARBEN ARC Club Meeting - March 11, 2016

Since the program was presented before the meeting at the presenter's request and the lateness of the hour after the door prizes and snack break it was decided to forgo the business meeting for March and just have announcements.

The following are the announcements.

Joe, K0NEB announced that the Nebraska State Convention will be held April 23 at the Lancaster Event Center. See the Lincoln Amateur Radio Club website for details.

Steve, N0UP announced that the annual Douglas County Siren Test has been canceled. There will be no siren test this year.

On March 22 at 7 PM there will be Spotter Training at the Boys Town Music Hall.

For those requesting DCEMA identification there will be photographs taken starting at 6 PM at the same location before the meeting.

Visit www.mdares.org for exams.

There will be OMMRS training at the Salvation Army on the 3rd Tuesday of April at 7 PM.

The .94 repeater is still noisy. A tower guy will have to look at it and we need KETVs clearance for that to happen.

Kevin, KA0VNY announced that there will be a planning meeting for Homestead activations March 19 and in June. The meeting will be at the HyVee at 78th and Cass at 8 AM.

The program for the April meeting will be by Pat, K0CTU and assembling a transmitter hunting antenna. The parts list for the antenna is on page 10 of Ham Hum.

The May meeting program will be an update on the USS Hazard by Peter KD7RDM.

Jim, KA0KCV announced that there will be a St. Patrick's Day parade on Saturday March 12.

Bill, KD0FJR announced that the Heartland Ham will meet in Glenwood on March 16.

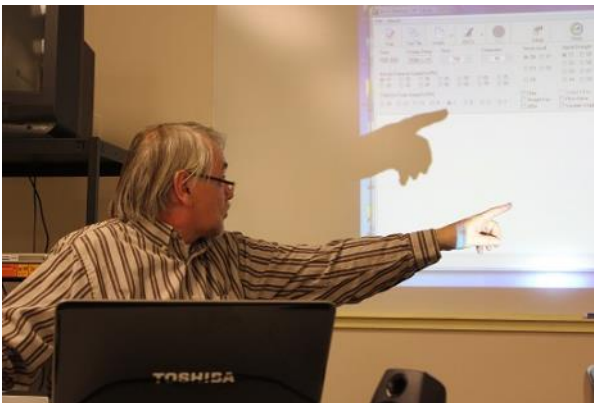
Jim, WB0BIK reported that Bill, KE0XQ is in Hillcrest Manor in Bellevue. His leg is better but he is having other problems.

John, WB0CMC was driving by Bill, KE0EQ's house and saw him carted away in an ambulance.

N0POT reported that the Morse Code class has 2 sessions left. Tomorrow they will go from 5 to 10 words per minute and the week following they will go from 10 to 13 words per minute.



Dan NØPOT teaching the Morse Code class to students Ed KEØCMA Russ ADØQH, and Brian KDØSVD .



Special thanks to Dan for committing his time in conducting this class. Although code is no longer a requirement for Ham licensing, it is starting to become a loss art in communications.

COMING THIS MONTH

23 APRIL 2016

ARRL

Nebraska State Convention

First of Spring HAM-FEST

Saturday 23 April 2016 8:30 am to 2:00 pm, at the Lancaster Event Center, 84th and Havelock Ave., Lincoln, NE. Exhibitors that plan to be there: Associated Radio, D&L Antennas, Grapvine Ham Radio, Rigol Technologies, WB0W and Others. There will be numerous Forums, Tech Demos, as well as FCC License Testing.

Three Grand Prize Drawings at 2:00pm (must be present to win)

Icom IC-T70A-HD HT // Icom IC-2730A // Icom ID-880H

Admission: \$8.00 (under 18 years old is FREE)



Steve— N0UP



Pat — KOCTU

EQUIPMENT ADS

Icom IC 3200 dual band mobile. Recent bench check:

2M 25 W high, 2.5 W low, 80 Hz high in freq after warm up, .15 uV RX sens.

440 23 W high, 1.8 W low, 190 Hz high after warm up, .1 uV sens.

Has touch-tone mic, programmable PL encoder and service manual.

Missing mobile mount. Also, a 13.8V 5A regulated power supply. Works good.

Contact John WB0CMC@cox.net 402-932-3443.

HF Amplifier - Legal Limit - 80, 40, 20, 15, 10 meters.

Finest components in a superb home-brew amplifier. Built right from the Eimac/W6SAI design. Requires a 3-1000Z tube. Power supply is disassembled consisting of motorized variac for setting HV, broadcast quality plate transformer, diode stack, swinging choke, and filter capacitors. Includes metering panel for setting and monitoring line voltage and plate voltage, line circuit breaker, etc.

RF Deck is stand-alone with vacuum variable w/ turns counter, air variable, B & W tank circuit coupled to band specific input matching circuits, meters for plate current, drive level and directional coupler and Dow-Key transfer relay. 30"H x 29"D x 21"W See Pictures at: <http://www.aksarbenarc.org> \$700 or best offer.– We deliver. Contact: equipment@aksarbenarc.org

Tektronics 520 Vector Scope & Tektronics 529 wave form monitor.

Both with service manuals. Make Offer, both work. For more info, contact

John, WB0CMC@cox.net 402-932-3443.

HF Dummy Load

You don't have a transmitter that will exceed this load's rating. Unit consists of 12 X 600 Ohm 375 non-inductive resistors in parallel with UHF connector. Not enclosed. 4,500 watts continuous rating. 21"L x 6 1/2" D See pictures at:

<http://www.aksarbenarc.org>.

\$225 or best offer contact: equipment@aksarbenarc.org

EQUIPMENT ADS

(Continued)

Non-Inductive Resistors

600 Ohm, 375 watts continuous. 1" X 18" ceramic. Good for high power rhombic or Beverage antenna termination. Six available. See picture at:

<http://www.aksarbenarc.org>.

\$20 each Contact: equipment@aksarbenarc.org.

Low Speed 120VAC Reversible Motor

Operates at 11 or 23 RPM in either direction. 1/4" output shaft. Simple to wire up. Includes capacitor for controlling direction. Great for a roller inductor or air variable in a remote tuner. Four available. See picture at:

<http://www.aksarbenarc.org>.

\$25 each Contact: equipment@aksarbenarc.org

Samsung CLP-510 - Two Printers for the Price of One

Industrial strength color laser printer. One works good the other burned-up its line cord - unknown problem. Includes documentation, ink cartridges, ink cartridge refill tools and instructions.

\$65 for both or best offer. Contact equipment@aksarbenarc.org

Complete HF Setup

Kenwood TS-870S AT (with DSP) HF Amateur band transceiver in excellent condition with the original manual, matching PS-52 Power Supply, SP-31 speaker, and MC-80 desk mic. A great looking and performing radio photos available at:

<http://www.aksarbenarc.org> or email equipment@aksarbenarc.org for details

Saturday Night Coffee and Conversation

Six people attended the AARC coffee conversation on March 19th: Pat KOCTU, Bill KCOSVZ, Kristin KCOVYV, Mary NOTRK, Gregg W0AAI, and Frank WB0QQK.

A big topic of discussion that night was the National Parks on the Air (NPOTA) event at the Homestead National Monument in Beatrice, Nebraska that weekend. AARC was there as station KOUSA; making many contacts and exposing a number of people to the hobby. There was talk of setting up stations at other locations and what the qualifications were for operating at an NPOTA site.

Other ham related topics included antennas, digital radio, the ongoing noise problem with the club repeater, storm spotter training, and the club's planned participation in the upcoming regatta at Carter Lake, among others.

Mingled with this were occasional non-ham topics such as life in a small town, law enforcement and predictability of repeat offenders, and the strange weather we'd had that day; heavy snow, bright sunshine, snow again, and rain. It was the classic saying made real: If you don't like the weather, wait a couple of hours.

As always, it was an enjoyable evening with good food and good conversation. DO try to make it next time. The AARC Coffee get together is held at the Village Inn restaurant at the southeast corner of 108th and L Streets in Omaha on the third Saturday of the month starting at 6:00 PM. Everyone is invited.

Bill KCOSVZ



April Meeting Program

Pat Joseph, KØCTU here. For the April Meeting program I will be showing you how to build the ever popular 144 Mhz Tape Measure beam antenna, which is used by many transmitter hunters. If you would like to build your own at the meeting I will bring the tools needed for construction. All you need to bring is a few pieces. These are all available at Lowes home centers.

At least three feet of ½ inch Schedule 40 white PVC pipe

Two ½ inch PVC “Tees”

Two ½ inch PVC “crosses”

6 stainless steel screw adjustable hose clamps, large enough to fit over the outlets on the tees.

I will bring the pre-cut tape measure pieces that will be used for the elements.

Hope to see you all in April.

Pat Joseph - KØCTU



Club Calendar

- Apr 05** 7:00 PM, Douglas County Spotter Talk.
- Apr 07** 6:30 PM License Testing, Lincoln ARC The Northside Cafe, 2701 N 48th Lincoln.
- Apr 08** 7:00 PM AARC Meeting, Red Cross, 81st & Spring St, Omaha, NE
- Apr 10** AARC Rabbit Hunt, Memorial Park, Omaha, 3:00 pm 146.940 MHz
- Apr 16** AARC Coffee & Conversation, Village Inn, 10770 M St, Omaha, NE 6:30 pm.
- Apr 20** Heartland Hams Meeting, 7:00pm 403 Railroad Ave, Glenwood, IA
- Apr 21** Bellevue ARC Meeting, 7:30 pm, Bellevue Masonic Hall 1908 Franklin ST.
- Apr 23** Lincoln Ham Fest — see page 6 for details.
- Apr 26** License Testing—Council Bluffs, 6:30 pm, 705 N 16th St American Red Cross
- Apr 28** PARC Meeting 7:30 pm, Gambino’s Restaurant 1900 E. Military Ave, Fremont, NE
- Apr 28** SWIARC Meeting 7:30 pm, Loss Hills Chapter Red Cross, 705 N 16th St, C Bluffs.
- May 5** License Testing Lincoln ARC 6:30 pm, Northside Cafe, 2701 N 48th St, Lincoln NE
- May 13** 7:00 PM AARC Meeting, Red Cross, 81st & Spring St, Omaha, NE
- May 14** License Testing Bellevue ARC, 1:00 pm, 11111 S. 84th Street, Papillion, NE
Inside the Midlands Hospital

March DOOR PRIZES

Prize winners during the March general membership meeting were

Jim-WB0BIK, won a Cordless Drill, Mitch-WB0GBI, won a 24 compartment storage container, Ron-KE0FMG, won a 9 compartment storage compartment.

Adam-KD0MNG, a 12 inch tote bag to use as a Bugout Bag.

Joe-K0NEB picked up the Brown Bag award, a 7 Function Digital Multi-Meter.

And the Mr. Reeh Prize went to Ron-KE0FMG.



Joe — K0NEB



Ron — KE0FMG

Area Nets

Monday

7:00 PM 145.290 South-West Iowa ARES Glenwood, IA.

8:00 PM 144.250 NE Missouri SWOT.

9:00 PM 146.940 AARC Chat Net. Ak-Sar-Ben ARC Omaha, NE.

Tuesday

7:00 PM 147.360 QCWA Net, Chapter 210 (seasonal, October through March).

8:00 PM 50.200 6m SSB Net.

9:00 PM 145.310 Washington Co. ARES Washington Co, NE.

Wednesday

7:00 PM 146.670 Dodge Co. ARES Dodge Co, NE.

7:30 PM 7.122 CW Four State QRP Comfortable Net.

8:00 PM 3.564 CW Four State QRP Comfortable Net.

8:00 PM 145.310 Saunders Co. ARES Saunders Co, NE.

8:30 PM 7.122 CW Four State QRP Comfortable Net.

9:00 PM 3.580.5 PSK Four State QRP Comfortable Net.

9:00 PM 146.820 Pottawattamie County ARES Council Bluffs, IA.

Thursday

8:30 AM 7.122 CW Four State QRP 40M Morning Net.

7:30 PM 145.310- Lincoln/Omaha SATERN Net. Ashland, NE.

8:00 PM 28.350 SSB 10-Meter Net.

8:00 PM 144.250 2-Meter SSB Net.

8:00 PM 146.360 Heartland DX Association.

9:00 PM 28.305 10-Meter Net.

Saturday

12:00 PM 146.82 Swap Net Council Bluffs, IA.

8:30 PM 3.921.000 QCWA Chapter 20.

Sunday

8:00 AM 3.902.500 Swap Net.

8:30 AM 3.896.500 3900 Club.

8:30 PM 443.925+ (103.5 tone) IRLP Net.

9:00 PM 146.940- Douglas Co. ARES net, KØUSA repeater.

Please let us know of any updates or corrections to the above.