

Ham Hum

Mar 2016 Volume LXV1, Issue 3

Our March meeting program will be presented by Liberty Labs. Established in 1988 by Mike Howard, WA0SPG, 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.



MARCH MEETING:

March Program will be on 11 Mar 2016, 7:00 PM, Red Cross Bldg., 81st & Spring Streets, Omaha, NE Topic **Liberty Labs**, a world-class leader in antenna calibration based near Kimballton, Iowa.

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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.

NOTICE — Position OPENING

Anyone interested in taking over the Prizes Committee from Rollie-ABONN, please see him at the next meeting to discuss what this committee entails.

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/>

Club Officers & Board Members

President	Mitch Saure	WB0GBI	president@aksarbenarc.org
Vice President	Kevin Hill	KAOVNY	vicepresident@aksarbenarc.org
2014 Secretary	Bill True	WA9ASD	secretary@aksarbenarc.org
2014 Treasurer	Dave Rice	NØJSB	treasurer@aksarbenarc.org
2014-2016 Director	Russ Rosenquist	NØMNV	board@aksarbenarc.org
2014-2016 Director	Barb Westcott	KCØHLB	board@aksarbenarc.org

Club Committees

Immediate Past President	Adam Kavan	KD0MMG	board@aksarbenarc.org
Courtesy Committee	Bill McCollum	KEØXQ	courtesy@aksarbenarc.org
Education	Adam Kavan	KDØMMG	education@aksarbenarc.org
Field Day			fieldday@aksarbenarc.org
Flea-Esta	Chris Rice		flea@aksarbenarc.org
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Monday Night .94 Net	Rich Swig	WAØZQG	wa0zqg@hotmail.com
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Technical Assistance	Ed Edwards	KØIL	technical@aksarbenarc.org
Web Services	Mary Joseph	NØTRK	web_master@aksarbenarc.org

Repeater Committee

Chairman	john Gebuhr	WBØCMC	repeater@aksarbenarc.org
Vice Chairman	Steve Schmitz	NØUP	repeater@aksarbenarc.org
Control Operator	Mary Joseph	NØTRK	repeater@aksarbenarc.org
Club Call sign Trustee	Corby Krick	KØSKW	trustee@aksarbenarc.org

Other Contacts

ARRL Midwest Director	Rod Blocksome	KØDAS	k0das@arrl.org
ARRL Midwest Vice-Director	Art Zygielbaum	KØAIZ	k0aiz@arrl.org
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EC Sarpy County	Dennis Mitchell	KCØYKN	
Exams/Vol. Council	Brian Zdan	KMØY	testing@aksarbenarc.org
NE Section Manager	Matt Anderson	KAØBOJ	ka0boj@arrl.org
Official Observer Coordinator	Bill McCollum	KEØXQ	oo_coordinator@aksarbenarc.org

AKSARBEN ARC Club Meeting - February 12, 2016

The meeting was called to order at 7:10 PM by saying the Pledge of Allegiance followed by introductions by name and call. There were Unknown attendees.; there was no sign in roster.

Officers and Board members present included:; Adam, KD0MMG, Mitch WB0GBI; Barb, KC0HLB; Russ NE0G; Dave, N0JSB; Kevin

Secretary's Report - .No corrections stand approved

Treasurer's Report - Dave, N0JSB reported that there were revenues of \$ 726 00 and expenditures of \$ 388.90,leaving a total balance on all accounts of \$21,220.78

President's Report - Mitch, WB0GBI - Tonight donations to AMSAT.

Looking for Rollie's replacement.

Vice President's Report - Kevin, KA0VNY Tonight's program is Steve N0UP ARES.

Next Month Liberty Labs antenna testing with society of broadcast engineers.

ARES/SATERN/COMMUNITY EVENTS

ARES/OMMRS - Steve, N0UP - The annual Douglas County siren test will be coming up on March 12, weather permitting. The backup date is March 19. We need lots of volunteers for this; sign up now.

On February 16 there will be an OMMRS meeting with a presentation by the Department of Health at the Salvation Army. - 106th and Burt.

On February 20 there will be an ARES meeting at the Salvation Army.– also at 106th and Burt.

On March 22, spotter training at the Boys Town Music Hall 7:00 PM.

The Public safety expo is Cancelled.

SATERN - no report

Community Events - Pat K0CTU - The State Track Meet volunteers list has been sent in.

The First Sunday in April, the Midwest Rowing Regatta at Carter lake, is in need of volunteers to accommodate for people to be placed in boats. Bring a coat. 9:00 to 12:00 - 12:30

Education Committee - Mary, N0TRK - Dan, N0POT halfway done with Morse code let him know if you want a summer class.

Membership Committee - Mary, N0TRK - "Please pay your dues or no ham hum.

KE0FEY Mary Phillips - new ham was in class

K5PDC Peter Caffery - Pilot,

Jim Westcot motioned to accept, Norm seconded - passed

Publications - Brian, KD0SVD - Nothing to note, trying to keep mailing labels up to date. Changing return address to PO Box.

Web Services - Mary, N0TRK-Still working on new site, but check the Facebook web site.

Repeater Committee - John, WB0CMC - It's working, but crackling noises are still there. Loose hardware we can't get to.

Field Day - Adam, KD0MMG - Meeting on Saturday, 20 Feb 9:00 AM at .the HyVee on Cass Street, Omaha.

QSL and Technical Committee - Mary, N0TRK—Eddy has cards for museum ships. In the future the Hazard will have its own club. Also he is looking for logs to upload to LBOTW..

EDDY, K0IL— No Report.

Courtesy Committee - Bill, KE0XQ - No Report.

Trailer/Equipment Committee - Mary, N0TRK It's Cold.

Public Awareness -

Mini activation of homestead in Beatrice as part of NPOTA. Also March 19th they have an 80th anniversary. Perhaps another activation. There will be cake! Contact Kevin if you want to go. Another activation homestead days! June 18th

Transmitter Hunt - Pat, K0CTU -Sunday February 21st - 3:00 at Memorial Park!

Old Business - Name Tags are up at the Front Table, Come and get them.

New Business - none

Announcements -

Flea Esta - Chris Rice

AARC Site is good. September 10th. 4H building in spring field

SWIARC Hamfest is March 5th in McClelland, Iowa, 8 to noonish \$4 admission \$6 table going fast! D&L will be there.

Coffee and cookies are available in the break room. Please donate generously because tonight's donations will be matched by the club and donated to AMSAT

Door Prize Committee Report -Rollie, AB0NN reported that he has

Ruler, cable ties, knife sharpener, vice grip, ratchet set, tap and die set.

All tickets purchased throughout the year are included in the drawing at the December meeting. Winners must be present.

Dan, N0POT— 443.775+ W0EQU wide open repeater. 1100 feet in the air, please use it! It's back up.

Dan, N0POT — Please applaud Rollie for working the Door Prizes these past years.

At 7:37 PM a motion was made by Mary,N0TRK, seconded by John, WB0CMC to end the meeting. So moved.

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

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 6:30 PM. Everyone is invited.

The 20 Feb 16 get-together had a nice turn out. Brian KD0SVD, Bill– KC0CTU, Pat-KOCTU, Mary-NOTRK, Steve-N0UP, Shelley-KCOKAY and son.

An enjoyable evening of coffee and food with informal conversations on some of the upcoming events such as the Nebraska Track Meet, Storm Spotter Training, Black Guy lines that are difficult to see, signs that say Do Not Touch or Move and how people react to them, how PUP tents got their name; don't quite think we concluded on that one, the history of Foosball; lots of info on that one via google, the Tour de France; how people may not understand how dangerous it is — bikes vs cars/trees/ other bikes/barbed wire., Walmart and Rubbermaid was a topic, as well as Breaking Away actor Dennis Christopher appearance at Eroica California sponsored by Masi Bikes. A few minutes were devoted to National Parks on The Air sites, and then lots of Star Trek Trivia; quite interesting.



McClelland Hamfest

The South West Amateurs' Radio Club is holding it annual Hamfest this Saturday, March 5, 2016 in McClelland, Iowa — City Hall building, 117 Main St.



Pictured are some of the door prizes this year, an MFJ 25 Amp switcher, MFJ Atomic Clock that runs on solar, and a couple of regular LCD clocks. Three ARRL Handbooks, The Big Prize picture dead center: is a MFJ 25 Amp power supply.

The Hamfest opens at 8:00 AM, it is \$4.00 to get in.

April Meeting Program

Pat Joseph, KOCTU 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 “Teas”

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 - KOCTU

Coming Soon

Dan, N0POT, is finishing up his CW class 5 March 2016. The class will continue through 19 March to allow students to build up speed. What we plan on doing is pick a night during the week, most likely on 10 meters at first to send and receive CW for 10 minutes, then switch to phone and go over what we tried to send and what we copied. Should be fun.

I believe Dan, N0POT may do this class again. If, so, I highly recommend it as it is a great way for the Technicians to get on the air and experience 80, 40, and 15 Meters.

Club Calendar

- Mar 11** 7:00 PM AARC Meeting. Red Cross Building, 81st & Spring St., Omaha, NE.
- Mar 12** Douglas County Siren Test
- Mar 14** 7:00 PM Pottawattamie County Spotter Talk, Neola Fire Station, IA
- Mar 15** OMMRS Recruitment & Training
- Mar 16** Heartland Hams Meeting, 403 Railroad Ave Glenwood, IA
- Mar 17** 7:30 PM.BARC Meeting, Masonic Hall Dining Room , 1908 Franklin St, Bellevue, NE
- Mar 19** 6:30 PM, AARC Coffee & Conversation, Village Inn, 10770 M Street, Omaha
- Mar 22** 7:00 PM Spotter Talk, Douglas County, @ Boys Town Music Hall, West Omaha, 13715 Flanagan Blvd, Boys Town, NE 68010
- Mar 24** 7:30 PM PARC Meeting 1900 E Military Ave Fremont, NE
- Mar 24** 7:30 PM SWIARC Meeting ,705 N 16th Street Council Bluffs, IA
- Mar 29** 6:30 PM License Testing Omaha Area VE Team 2912 south 80th Ave Omaha
- Apr 05** 7:00 PM, Douglas County Spotter Talk.
- Apr 07** 6:30 PM License Testing, Lincoln ARC The Northside Cade, 2701 N 48th Lincoln.
- Apr 08** 7:00 PM AARC Meeting, Red Cross, 81st & Spring St, Omaha, NE
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FEBRUARY DOOR PRIZES

Prize winners during the Feb general membership meeting were a pack of Cable Ties and knife sharpener won by Dave– NOJSB

Brian, KD0SVD, won a 25 foot extension Ruler and a pare of vice grips.

Dan, N0POT, won a 3/8 inch socket drive set and a 40 piece tap die set.

There was no Brown bag or Mr. Reeh prize

As mentioned, if anyone is interested in taking over the door prizes, please let us know.

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.