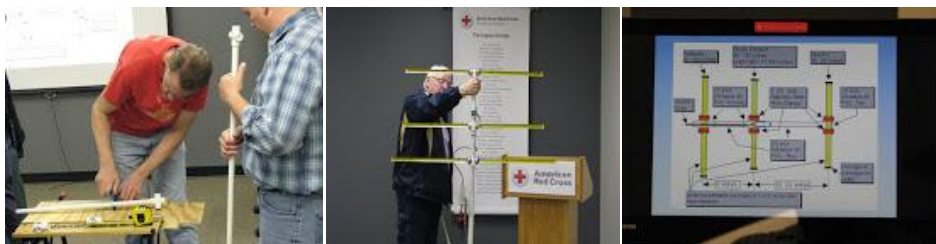


Ham Hum

May 2016 Volume LXV1, Issue 5

Our April meeting program was on building directional antennas used for locating hidden transmitters in Fox Hunts and for finding and tracking signals from orbiting satellites and the International Space Station.



Operation Homestead !

National Parks on the Air is an event conceived by the American Radio Relay League. The idea is simple, during the centennial year of the National Parks Service, encourage hams to help celebrate by operating from the sites managed by the National Park Service. Throw in a little friendly competition for not only those who contact a Park Service site, but also for those who are operating from a Park Service site and you have an event that has captivated a large part of the ham radio community.

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MAY MEETING:

The May Program will be on 13 May 2016, 7:00 PM, Red Cross Bldg., 81st & Spring Streets, Omaha, NE Susan Epps the new Director of the Omaha Chapter American Red Cross will provide the ARC vision in addition, Peter Dalieri will give us an update of the USS Hazard at Freedom Park.



Come on out to Beatrice, NE for Homestead Days — part of the celebration of the 100th Anniversary of the National Parks.

Checkout the article
Operation Homestead on Page 1

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 WEØBEP (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	WBØGBI	president@aksarbenarc.org
Vice President	Kevin Hill	KAØVNY	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	KDØMMG	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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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

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Official Observer Coordinator	Bill McCollum	KEØXQ	oo_coordinator@aksarbenarc.org

AKSARBEN ARC Club Meeting - April 8, 2016

The meeting was called to order at 7:09 PM by saying the Pledge of Allegiance followed by Introductions by name and call. There were 34 attendees.

Officers and Board members present included: Mitch, WB0GBI; Kevin KA0VNY; Dave, N0JSB; Barb, KC0HLB; Russ NE0G and Adam, KD0MMG.

Secretary's Report - Bill WA9ASD - There was no meeting last month and no minutes.

Treasurer's Report - Dave, N0JSB reported that there were revenues of \$20.50 from meeting refreshments and \$268 from dues and expenditures of \$15.26 for refreshments, \$37.03 for name tags, \$309.18 for Ham Hum supplies, \$86 for post office box rental, \$28.95 for a gift for our speaker and a \$3 bank fee. This leaves a total balance on all accounts of \$21,122.11

President's Report - Mitch, WB0GBI - Adm, KD0MMG has stepped forward to be our new Door Prize Chairman. A big thanks to Rollie, AB0NN for serving in that roll for these past few years.

At this point John, WB0CMC appeared dressed as the Grim Reaper to welcome back Bill, KE0XQ from his extended illness. With a few assistants from the club and some props John led the signing of a song, the purpose and meaning of which is unknown.



(Continued on page 5)

Vice President's Report - Kevin, KA0VNY - Tonight's program is by Pat, K0CTU on Making a 2 Meter Tape Measure Beam. Next month's program will be a short presentation by Susan Epps of the Red Cross and her vision of the club's relationship with the Red Cross followed by Peter, KE7RDM with an update on the USS Hazard.

Public Service

ARES - Steve, N0UP - no report

OMMRS - Mary, N0TRK - There will be a training session on OMMRS Basics on Tuesday, April 19 at the Salvation Army facility.

SATERN - no report

Community Events - Pat, K0CTU - The State Track Meet at the end of May and on May 15 there will be a bike race in Plattview requiring about 5 or 6 volunteers.

Public Service - Jim, KA0KCV - no report

Education Committee - Mary, N0TRK - there are no class plans at this time.

Dan, N0POT - Thanks to the students in the class and if there is interest in another class he'll set it up. There is some talk of a CW net possibly on 10 meters.

Membership Committee - Mary N0TRK - We have applications for membership from Ron Patton, KE0HPX and Earl Jackson, NOPEH. There was a motion by Pat, K0CTU with a second by Adam, KDOMMG to accept these membership applications. The motion passed unanimously.

Publications/Web Services.

Ham Hum, Brian, WEOBEP - no report

Web Services - Mary N0TRK - it's up

Repeater Committee - John, WB0CMC - We're still waiting for the tower guy to go up the tower.

(Continued on page 6)

Field Day Committee - Adam, KD0MMG - We should have another meeting. It will be April 28 at 7 pm at the Salvation Army.

QSL and Technical Committee - Eddy, K0IL - More cards from contacts are arriving.

Courtesy Committee - no report

Equipment / Trailer Committee - Mary, N0TRK - The trailer still needs some work.

Public Awareness - no report

Transmitter Hunt - There will be a transmitter hunt on 146.475 MHz on Sunday April 10 starting at 3:00 PM at Memorial Park.

Flea-Esta - Chris Rice - No changes - we need to print some flyers.

Old Business - none

New Business - none

Announcements -

The Nebraska QSO Party will be April 16 sponsored by the QCWA.

KE0XQ thanked everyone for the cards, phone calls and visits while he was hospitalized.

KD0FJR announced the Heartland Hams hamfest will be in Glenwood, IA on April 30 from 8 AM to noon.

He also announced that the SWIARC .82 repeater is using the new Yaesu Fusion repeater with about 20 watts output (less than the old repeater).

Rollie, AB0NN announced that there is now a twice monthly podcast called "The Doctor Is In" provided by the ARRL.

Door Prize Committee - Adam, KD0MMG - Prizes include a magnifier, tools and a small engraver. All tickets purchased throughout the year are retained to be included in the drawing at the December meeting. Winners must be present to win.

Cookies are available in the kitchen - please donate to fund these.

Support your local repeater with donations. The club accepts donations for any area repeater and forwards the funds to the repeater owner.

At 7: 40 there was a motion was made by John, WB0CMC, seconded by Mary, N0TRK to end the meeting. Passed unanimously.

EQUIPMENT ADS

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

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.

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

EQUIPMENT ADS

(Continued)

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

ESTATE SALE There is a list of equipment that belonged to Dale Sweet KØ-OEB from Grand Island NE, who recently passed away. His wife, Olga is placing them up for sale. Items include **I-Com HF transceiver IC-745, 51L receiver, Racal-Dana 1990 Series Universal Systems Counter, Motorola High Gain broadband mixer, BK Precision 40 MHz oscilloscope, Tektronix 422 oscilloscope, Hammarlund HC-10 converter, HAM-Scan Model HO-13 panoramic adaptor, Heathkit Model IM-102 nixie tube digital multimeter, Monsanto Model 100B counter-timer, Signal Generator TS 413c/u, Standard Signal Generator Model 80, Tektronix Type 106 square-wave generator, Amprobe Model LT 8100 temperature recorder, Audio Oscillator Model LA-J4, Transistorized Model 4005 power supply, Deviation Meter 920, 2-ICOM transceivers: IC-706 & IC-207H= NIB, Tubes & Transformers, Volt & Ohmmeters, Integrated circuits, 3-Tube testers, 25-Rolls of electronic wire, Roll of copper wire and more** You may contact his son Karl Sweet at 308-381-2216.

For a complete list with picture: www.wieckauction.com click on photos.

(Operation Homestead)

When the event was announced, the Park Superintendent at the Homestead National Monument near Beatrice seized the opportunity to get area radio clubs involved at his location, and the Ak-Sar-Ben ARC seized on the invitation.

As we have mentioned before, the Staff at Homestead National Monument invited us to activate their location during their largest event of the year, the Annual Homestead Days, and not only that, but to stay in the park so we can operate as long as we are getting contacts. Think of it as the warm up for Field Day.

Homestead Days will be June 18th and 19th at the Homestead National Monument. There are two distinct areas at the site. The Education Center, which is a great location, is where a lot of the activities for Homestead Days will take place. There is plenty of shade and room for some vertical antennas and locations where electricity is available. About a half mile away, across the restored prairie is the Heritage Center, and an original homesteaders cabin. There is a lot of open space and we have been offered a place on the patio to operate from.

There are a few committed SSB operators for the operation at the Heritage Center, but there are lots of options for at the Education Center for CW or digital modes.

There is no need to be there both days, and there is no need to even be there all day. But we do need an idea if you will be there and what you would like to do. There is a need for relief operators, and radio guides (someone to explain who we are and what we are doing), and it would be nice to get some visitors on the air as well as the park staff.

Beatrice is just over an hour away, just south of Lincoln. And Homestead Days is a fun event for the entire family. In Beatrice (just 4 miles away) there will be a 10K/5K/Fun Run for the runners, Talent show, Classic Car Show, a parade, fireworks as well as all the activities at the National Park site.

Check out the details at the club web site, and sign up to help at www.aksarbenarc.org

Club Calendar

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
May 18	7:00 PM Heartland Hams Meeting, 403 Railroad Ave, Glenwood, IA
May 19	7:30 PM Bellevue ARC Meeting, Bellevue Masonic Hall Dining Room, 1908 Franklin St, Bellevue, NE
May 21	6:30 PM AARC Coffee & Conversation, Village Inn, 10770 M St, Omaha, NE
May 26	7:30 pm. Parc Meeting, 1900 E Military Ave, Fremont NE
May 26	7:30 PM SWIARC Meeting, Loess Hills Chapter Red Cross, 705N 16th St, Council Bluffs, IA
May 31	License Testing Omaha, 6:30 PM 2912 South 80th Avenue Omaha, NE 68124 Heartland Chapter of the American Red Cross
Jun 02	License Testing Lincoln, 6:30 PM The Northside Cafe, 2701 N 48th St, Lincoln, NE
Jun 10	7:00 PM AARC Meeting Red Cross, 81st & Spring St, Omaha, NE

April 2016 Transmitter Hunt

The April transmitter hunt started at 3 PM on Sunday the 8th with 3 hunters. Dave, N0JSB; Pat K0CTU and Russ AD0QH. At about 10 after 3 Terry, KD0STU called on .94 asking when the hunt started. I called him back, told him to start from where he was and let him know when the transmitter started transmitting the next time.

At 4:12 Dave, N0JSB arrived on the scene and began looking around. He found the transmitter at 4:15. At 4:47 Pat, K0CTU arrived and found the transmitter at 4:52. Russ, AD0QH arrived at 5:23 and found the transmitter a few minutes later.

At that time we called Terry, KD0STU to ask if he wanted a hint. He declined and said he was discontinuing his search.

The transmitter was 'hidden' next to the sidewalk going over the berm between the parking lot for the skating rink and the tennis courts on the west side of Tranquility Park west of 120th and Maple.

The next hunt will be Sunday May 15 unless there are schedule conflicts.

April DOOR PRIZES Bill KC0SVZ

As announced last year, Rollie ABONN has stepped down as the AARC Door Prize Master of Ceremonies after six years of handing out goodies. CONGRATULATIONS Rollie ! Taking his place was Adam KD0MMG, who conducted this month's awards — though Rollie sat nearby to provide some good free advice, should he need it. However, things went smoothly. Afterwards, Adam was heard to comment, "This is fun !"

The prizes for this session were a General Tools Cordless Precision Engraver, an MZ101B Helping Hand Magnifier, a Professional Tool Set, the Brown Bag Door Prize, and the dreaded Mr. Reeh Door Prize.

McKenzie NOCALL assisted Adam by drawing the tickets and announcing the winners. The first was Mitch WB0GBI, who was awarded the tool set. Next, the magnifier went to Bill KE0XQ. Mary KE0BXD got the engraver. The Brown Bag prize went to Dan NOPOT. After a bit of a struggle opening the securely duct-tape brown bag, he discovered that it contained...brown bags. Fifty brown lunch bags, to be precise. Suitable for taking a lunch to a brown bag concert once the weather gets nice. Jim WB0BIK was the unfortunate winner of the Mr. Reeh Door Prize, which was packed in a priority mail package that contained ... stuff: part of a directional microphone that resembled a pistol (try using that in a crowd nowadays), a copy of the "Proceedings of the American Mathematical Society", Vol. 16, No.5, Oct., 1965 (available online at <http://www.ams.org/journals/proc/1965-016-05/>). And a couple of other items that weren't recorded due to a technical malfunction between the ears of the Ham Hum reporter. Fortunately, Anton Reeh's biographer, Bill WA9ASD, came to the rescue by providing the following information:

The black metal cabinet I believe is actually a silver-plated brass box with an SO-239 connector on it. There is an RF choke connected to the center pin of the connector to the ground. There is an RG-8 jumper with a Motorola connector on 1 end and a PL-259 on the other. The gray plastic thing is a molded insert for a Motorola HT (perhaps MT-500 or HT-200) battery charger that accepts a specific battery for charging. The plastic thing was mounted in a box/chassis that held the charging circuit and components. Also included is the battery that fits in the charger. There was also a sheet of paper in the box that said 'Kit'.

Note that the proceeds for each month's tickets go for buying next month's prizes. Also, all tickets are kept and included in the Grand Prize drawing in December.

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.