

# Ham Hum

July 2016 Volume LXV1, Issue 7

Our June meeting program was on Field Day. Mary, N0TRK provided an informative briefing on the plan the club will take for setting up, operations, and tear down. In addition, on another topic, Mary provided a recap of the prior week-end event at Homestead National Monument in Beatrice, NE.



Pat, K0CTU w/ Antenna Cannon



The 15 Minute Portable Tri-Band



Peter, KE7RDM at Field Days



Steve, N0UP and Son at Field Day



Homestead Site at Beatrice

**K0USA**  
The Best of Both Worlds  
National Parks  
Call this area  
2016

Homestead National Monument  
MN46  
Beatrice, Nebraska

TO RADIO	DATE			TIME	BAND	MODE	SIG
	D	M	Y	UTC			
					15	2-WAY	PSK
					160 80 40 30 20		
					17 15 12 10		

K0USA QSL Card for NPOTA

## JULY MEETING:

The July meeting will be on 8 July 2016, 7:00 PM, Red Cross Bldg., 81st & Spring Streets, Omaha, NE .



The activation at Homestead National Monument on 17—19 Jun was in a word, HOT. During the setup, it was 99 degrees. Good thing the setup of the antenna only took about 15 minutes at the Heritage Center. Brian, WE0BEP and Justin, KE0BHP were in the shade at the Education Center

---

**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](mailto: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	NEØG	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	Open		courtesy@aksarbenarc.org
Education	Adam Kavan	KDØMMG	education@aksarbenarc.org
Field Day	Adam Kavan	KDØMMG	fieldday@aksarbenarc.org
Flea-Esta	Chris Rice		flea@aksarbenarc.org
Membership	Mary Joseph	NØTRK	membership@aksarbenarc.org
Monday Night .94 Net	Rich Swig	WAØZQG	wa0zqg@hotmail.com
P.I.M.P.	Jim Westcott	KAØKCV	pr@aksarbenarc.org
Prizes	Adam Kavan	KDØMMG	prizes@aksarbenarc.org
Public Service/Emergency	Jim Westcott	KAØKCV	pr@aksarbenarc.org
Publications	Brian Pitchanau	WEØBEP	hamhum@aksarbenarc.org
QSL Manager & Technical	Ed Edwards	KØIL	qslmanager@aksarbenarc.org
Special Events Coordinator	Pat Joseph	KØCTU	community_service@aksarbenarc.org
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
EC Douglas County	Steve Schmitz	NØUP	dcares@aksarbenarc.org
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 - June 10, 2016**

The meeting was called to order at 7:07 PM by saying the Pledge of Allegiance followed by introductions by name and call. There were 36 attendees.

**Officers and Board members present included:** Mitch, WB0GBI; Dave, N0JSB; Bill, WA9ASD; Barb, KC0HLB; Russ NEOG and Adam, KD0MMG.

**Secretary's Report - Bill WA9ASD** - Since there were no corrections to the minutes of the last club meeting they were declared approved as published in Ham Hum.

**Treasurer's Report - Dave, N0JSB** reported that there were revenues of \$23.00 from meeting refreshments, \$40 from dues, \$9 from name tag sales and \$7.46 from the Amazon Smile Program. Expenditures for May were \$20.36 for refreshments, \$62.09 for Ham Hum supplies, \$9 for name tags and a \$3 bank fee. This leaves a total balance on all accounts of \$22,034.83.

**President's Report - Mitch, WB0GBI** - Mitch reported that we will have a report on repeater antenna work and Museum Ships On The Air later in the meeting.

**Vice President's Report - Kevin, KA0VNY** - not present

### **Public Service**

**ARES - Steve, N0UP** - The next ARES event is Field Day. He urged all members to participate in Field Day anywhere they can.

**OMMRS - Mary, N0TRK** - There will be a MARE exercise on July 23, the week before the Offutt Air Show. Volunteers are needed; e-mail her to sign up.

**SATERN** - no report

**Community Events - Pat, K0CTU** - The Omnium Bicycle Race ran from 8 AM until 2 PM and 6 people were able to handle the event. There were a couple of accidents but none of them involved our people. The State Track Meet was May 20 and 21.

**Public Service - Jim, KA0KCV** - "Do what Pat says."

**Education Committee - Mary, N0TRK** - There may be a Technician class this summer.

**Membership Committee - Mary N0TRK** - We have applications for membership from Brian Miller, KE0JHU and his wife Darlene, KE0JIH and from Harold Dykstra, KC0ZRI. There was a motion by Norm, WA0JYD with a second from Jim, KA0KCV to accept these membership applications. The motion passed unanimously.

(Continued on page 5)

## **Publications/Web Services.**

**Ham Hum, Brian, WE0BEP** - He got a rubber stamp for our return address.

**Web Services - Mary N0TRK** - "It's up". There is 10 minutes of live video from Museum Ships on the website. We operated on 20 meters from the deck with an Outbacker and on 40 meters from the radio room using the ship's long-wire antenna. The Outbacker worked well as we worked stations in Alaska and Italy.

**Repeater Committee - John, WB0CMC** - There was work on the repeater antenna since the last meeting and some loose hardware was tightened down. Also the connector on the antenna was loose and was tightened. This removed about 75% of the noise. There is a rattle inside the antenna that is probably the cause of the remaining noise. Since the antenna has been in a harsh environment for almost 15 years John recommends that the club replace the antenna. John also recommends that we pay the KPTM employee \$500 for help with the antenna and his work when we install the new one. There was considerable discussion and finally a motion was made by Marv, AE0EG, seconded by Rollie, AB0NN to authorize \$2,000 to buy and install a new antenna for the .94 repeater on the KETV tower. There was still more discussion and on a voice vote the motion was passed with one opposed vote. John will collect the details of the purchase for the next board meeting.

**Field Day Committee - Adam, KD0MMG** - not present - information will be presented during tonight's program.

**QSL and Technical Committee - Ed, K0IL** - no report

**Courtesy Committee - Bill, KE0XQ** - A card was sent to Ed K0IL on the passing of his father.

**Equipment / Trailer Committee - Mary, N0TRK** - The N6KVA trailer is at Bill, WA9ASD's house; will be used for Field Day after which it will be at Mary's house.

**Public Awareness** - Homestead Days at Homestead National Monument will be setup on June 16. We will be outside and operate on 15, 20 and 40. We will be on SSB, PSK and possibly CW. Operating will continue through Sunday.

**Transmitter Hunt** - Due to the large number of weekend events in the next 2 months the next hunt will be announced when it can be scheduled. Maybe at the club picnic in July.

**Flea-Esta - Chris Rice** - We have some door prizes but we need more suggestions. The road to the south of the fairgrounds is under construction.

(Continued on page 6)

(Minutes Continued from page 5)

**Old Business - N0POT** has all the information he needs. He will forward the contract with KPTM to the board.

New Business - none

**Announcements -**

KD0FJR reported that the CB Club Fusion repeater is now UHF only on 442.225 requiring a 136.5 tone. It is available as analog or digital. The .82 repeater is the club's Vertex repeater.

Barb, KC0HLB reported that the club picnic in July will have more details at the next meeting.

**Door Prize Committee - Adam, KD0MMG** - Since Adam was unable to attend tonight's meeting Bill, WA9ASD will run a 'trick door prize give-away'. No tickets from tonight will be retained for 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 7:44 Mitch announced that since there was no more business before the club the meeting was adjourned.

## 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](mailto:equipment@aksarbenarc.org)

### **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](mailto: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](mailto: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](mailto: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](mailto: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](mailto:equipment@aksarbenarc.org)

### **Antenna Switching Panel**

Includes 2 DowKey DK-60 120 vac relays, gas discharge lightning arresters for each antenna and a manual grounding switch. Allows switching between dummy load and antennas and selecting one of 2 antennas. UHF connectors.

\$75 or best offer Contact [equipment@aksarbenarc.org](mailto:equipment@aksarbenarc.org)

### **Tower, Antenna and Rotor**

FREE - You Take It Down and You Haul It Off - Complete! 50 foot tower Cush craft Beam Antenna with 40 meters Yaesu G-800s rotator with control Nice condition Call Earl - 402 651-2508

**Sinclair SRL-229 Base station antenna.** Gain:6.1 dBd (8.3 dBi). Bandwidth 6 MHz (Centered @144-148 MHz). Power rating: 300 Watts, Polarization: Vertical. Omnidirectional. Lightning protection: DC ground. Termination: N male. Length: 258". Weight: 25 Lbs. Rated wind velocity:125 Mph. Rated wind with 1/2" radial ice:105 Mph. Horizontal thrust @ rated wind and ice load: 190 Lbs. New price: \$1338.75 +S&H. Your price: only \$500 (OBO). The antenna has had a minor repair and is in good working order.

Contact WB0CMC. 402 932 3443 or

[wb0cmc@cox.net](mailto:wb0cmc@cox.net)

## ICOM AH-710

ICOM AH-710 Folded Dipole Antennas get you on the air--fast! You can cover all amateur bands and operate with up to 150 watts with these ICOM pre-assembled, multi-band folded dipole antennas. The AH-710 antennas can be installed in flat top or inverted V configurations.

The AH-710 comes with 98 feet (30 m) of 5D2V coaxial lead in. This lead has a PL-259 at each end. One end plugs into the SO-239 center-feed of the antenna and the other end to your radio. Icom also includes 32.8 feet (10m) of white nylon support rope. One foot (30 cm) of auto bonding waterproof tape is also supplied

The specs for ICOM AH-710 folded dipole antennas are:

- \* Frequency range: 1.9 to 30 MHz
- \* Power rating: 150 W
- \* Input impedance: 50-ohm connection
- \* VSWR: Less than 2:1 (1.9 to 18 MHz)  
Less than 2.5:1 (18 to 30 MHz)
- \* Length: 24.5 m (80.4 ft.)

\$200.00 — Mary [Send an Email](#)

## June DOOR PRIZES

As mentioned in the minutes, Since Adam was unable to attend Bill, WA9ASD ran a 'trick door prize give-away. No tickets available Bill pulled numbers out of the hat and matched them to the sign in roster. As such, Don, K0QVM won a Float Charger. Dalton, KE0FJH picked up an LED flashlight. Norm, WA0JYD a screwdriver set. Bill, KD0FJR received a screwdriver set.

The Mr. Reeh prize went to Tom, N0STN — an INF Scanner. No instructions But it hears Fremonts P.D. and Harrison Co Sheriff's Dept.

The Brown Bag Prize won by Steve, N0UP was a 24 hour lamp timer.

## Club Calendar

Jun 10	7:00 PM AARC Meeting Red Cross, 81st & Spring St, Omaha, NE
Jun 15	7:00 PM Heartland Hams Meeting, 403 Railroad Ave, Glenwood, IA
Jun 16	7:30 PM..Bellevue ARC meeting, Bellevue Masonic Hall Dining Room, 1908 Franklin St, Bellevue, NE
Jun 18	AARC Coffee & Conversation, 6:30 PM Village Inn, 10770 M St, Omaha, NE
Jun 21	OMMRS Recruitment & Training meeting, 6:30 PM—9:30 PM
Jun 23	7:30 PM PARC Meeting, 1900 E. Military Road, 1900 E. Military RD, Tremont, NE
Jun 24	7:30 PM WSIARC Meeting, Loss Hills Chapter, Red Cross, 705 N 16th St, Council Bluffs, IA.
Jun 25	Field Day
Jun 26	Field Day
Jun 28	6:30 PM, License Testing, Council Bluffs, American Red Cross 705 N 16th St.
Jul 7	6:30 PM License Testing, Lincoln ARC, Northside Café, 2701 N 48th St. Lincoln NE
Jul 8	AARC meeting, 7:00 PM, Red Cross, 81st & Spring St, Omaha, NE



Above, Dan, NOPOT and Pat, NOCTU work the Homestead Heritage Center site.



Left, Brian, WE0BEP and Justin, KE0BHP work the Homestead Education Center Site.



Susan, the park director, being interviewed by a local television station.



One of the original buildings at the Homestead site, in Beatrice, NE

# 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.