

# Ham Hum

Aug 2016 Volume LXV1, Issue 8

The July AARC meeting Matt Anderson, KAØBOJ, the Nebraska Section Manager for ARRL provided an insight on what he does and with our involvement help to keep the bands clean, as he put it. In Nebraska alone, there are over 4,000 hams, however, he



pointed out a concern of his that there is a large number of silent hams listed each month in the QST magazine. On a brighter note, He lauded AARC on all the involvement and support we do for the local community. He mentioned a few of them that were discussed during the meeting before his presentation.

Dave, What Is That ???



The New 20 foot, 143.94 repeater antenna, inside that light grey shipping tube, sits on the clubs antenna trailer and has arrived at the Channel 7 site last Wednesday, 27 Jul 2016. According to John, WBOCMC, it is ready to go up the Channel 7 tower. More pictures on page 10. I'm sure this one will take more than 15 minutes to set up.

## AUG MEETING:

The August meeting will be on 12 Aug 2016, 7:00 PM, Red Cross Bldg., 81st & Spring Streets, Omaha, NE The program will be on DMR Digital mobile radio by George Bellairs, KBOZZT.

## Club Calendar

- Aug 12 AARC meeting, 7:00 PM, Red Cross, 81st & Spring St, Omaha, NE  
Aug 13 License Testing, Bellevue ARC, 1:00PM 11111 S. 84th St Papillion, NE (Midlands Hospital)  
Aug 14 AARC Rabbit Hunt (Fox Hunt)\_Memorial Park Omaha, 3:00 PM 146.940  
Aug 16 OMMRS Recruitment & Training meeting, 6:30 PM—9:30 PM  
Amateur Radio Procedures for OMMRS Activations  
Salvation Army 10629 Burt Circle, Omaha, NE
- Aug 17 7:00 PM Heartland Hams Meeting, 403 Railroad Ave, Glenwood, IA  
Aug 18 7:30 PM..Bellevue ARC meeting, Bellevue Masonic Hall Dining Room,  
1908 Franklin St, Bellevue, NE
- Aug 20 AARC Coffee & Conversation, 6:30 PM Village Inn, 10770 M St, Omaha, NE  
Aug 23 AARC Board & Committee Meeting, 7:00 PM HyVee @ Peony Park  
Aug 25 7:30 PM PARC Meeting, 1900 E. Military Road, 1900 E. Military RD, Fremont, NE  
Aug 25 7:30 PM WSIARC Meeting, Loss Hills Chapter, Red Cross, 705 N 16th St, Council Bluffs, IA.  
Aug 30 6:30 PM, License Testing, Council Bluffs, American Red Cross 705 N 16th St.
- Sep 1 6:30 PM License Testing, Lincoln ARC, Northside Café, 2701 N 48th St. Lincoln NE  
Sep 9 7:00 PM AARC Meeting Red Cross, 81st & Spring St, Omaha, NE  
Sep 10 AARC **Flea Esta** at the Sarpy County Fair Grounds in Springfield NE, Hwy 50.  
Sep 11 AARC Rabbit Hunt (Fox Hunt)\_Memorial Park Omaha, 3:00 PM 146.940  
Sep 15 7:30 PM..Bellevue ARC meeting, Bellevue Masonic Hall Dining Room,  
1908 Franklin St, Bellevue, NE
- Oct 8 Market to Market Relay. Operators needed to provide communications at exchange points for the first half of this 76 mile relay race.

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### ***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	Bill McCollum	KEØXQ	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 - July 8, 2016**

The meeting was called to order at 7:08 PM by saying the Pledge of Allegiance followed by introductions by name and call. There were 28 attendees.

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

**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 \$45.00 from meeting refreshments and \$20 from dues. Expenditures for June were \$25.44 for refreshments, \$106.99 for Ham Hum supplies, \$21.38 for antenna trailer tail lights, \$73.47 for Field Day food and a \$3 bank fee. This leaves a total balance on all accounts of \$21,877.95.

**President's Report** - Mitch, WB0GBI - Mitch reported that we had a good Field Day and we'll hear more about the repeater antenna later in the meeting.

**Vice President's Report** - Kevin, KA0VNY - not present. Mitch reported that tonight's program will be by Matt Anderson, KA0BOJ, the Nebraska Section Manager.

### **Public Service**

**ARES** - Steve, N0UP/

**OMMRS** - Mary, N0TRK - There will be a Major Accident Response Exercise on July 23, the week before the Offutt Air Show. This will include 8 sites in Douglas, Sarpy and Pottawattamie counties. There will be an orientation session the week before the exercise.

**SATERN** - no report      **Community Events** - Pat, K0CTU - The Corporate Cup Run will be September 25 and the course will go from Stinson Park to Elmwood Park and back again.

**Public Service** - Jim, KA0KCV - He has not been publicly serviced.

**Education Committee** - Mary, N0TRK - Kevin will perhaps run a class in August.

**Membership Committee** - Mary N0TRK - We have applications for membership from Carl Salanitro, KE0BKS and Brian Sohl, KE0GKB. There was a motion by Dan, N0POT with a second from Norm, WA0JYD to accept these membership applications. The motion passed unanimously.      **Publications/Web Services.**

**Ham Hum**, Brian, WE0BEP - Brian has limited the Ham Hum to 12 pages to prevent problems with the Post Office about the weight of the issue.

He also requested that anyone with an article for the Ham Hum to send it to him.

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**Web Services** - Mary N0TRK - Use the link on the web site to get to Facebook.

**Repeater Committee** - John, WB0CMC - The new antenna is on order and the lead time is about 30 days. Once it arrives he will talk to KETV about getting it up on the tower.

The repeater is now working better after tightening down some hardware although there is still noise on it from time to time.

The previous repeater antenna, a Sinclair is for sale on the web site and in Ham Hum. It is very functional and ready for service.

**Field Day Committee** - Adam, KD0MMG - not present - If you weren't there you missed out. There was a satellite contact. There were numerous antennas. There were quite a few 80 meter contacts. "It was a good time."

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

**Courtesy Committee** - Bill, KE0XQ - no activity

**Equipment / Trailer Committee** - Mary, N0TRK - The N6KVA trailer is in Mary's driveway. There has not been any work done on it yet. There are rotor issues.

**Public Awareness** - nothing.

Transmitter Hunt - There will be a transmitter hunt on Sunday, July 10 starting at 3 PM from Memorial Park.

**Flea-Esta** - Chris Rice - We need volunteers. The date will be September 10 at the Sarpy County Fairgrounds. The admission charge is \$5. Tables can be rented for \$8 which includes 1 admission ticket.

**Old Business** -

There are still a number of people who haven't picked up their name tags. If you want a name tag they can be ordered for \$9.

N0POT presented the club with a contract from KPTM for use of their tower.

**New Business** - none

**Announcements** -

The club potluck picnic will be September 18 at Hayworth Park in Bellevue.

W0AF announced that RAGBRAI needs volunteers in Mills County Iowa for the first day of the ride on July 23.

There will be a USS Hazard painting party this weekend from 10 AM until 3 PM on both Saturday and Sunday.

Russ, NE0G announced that Harold, KC0ZRI passed his Extra exam.

Pat, K0CTU has some pieces of coax available for anyone who wants some.

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**Door Prize Committee** - Adam, KD0MMG - not present - there will be no door prize drawing this month.

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 7:41 Mitch announced that since there was no more business before the club the meeting was adjourned.

## Market to Market® Relay Nebraska | One Day Running Relay From Omaha to Lincoln | Nebraska's Running Road Trip

This event takes place October 8, 2016. There are 19 relay points throughout this 76 mile race. The AK-SAR-BEN Amateur Radio Club will be looking for radio operators to be on the first 8, maybe 9 relay points to provide communication support. This may involve in assisting teams locate lost runners, lost vehicles, dispatching ambulances, and monitoring the last runners that come through each exchange point. It is quite comical as the teams compete not only for winning the race, but for the best team costumes they wear, and the best decorated van used to transport teams from exchange point to exchange point.



Some of the teams in past years:

A League of Their Own, Resisting Arrest, The Wizard of Oz, and a decorated Van for a team of Pirates

## 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

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## EQUIPMENT ADS

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### 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 Relay

DowKey DK-60 120 vac coaxial antenna relay with UHF connectors. In good condition with auxiliary contacts.

\$25 or best offer Contact [equipment@aksarbenarc.org](mailto:equipment@aksarbenarc.org)

**QST Magazines for Free** — Bill McCollum, KE0XQ has several years of QST magazines for anyone who would like to come and get them. Contact Bill at [ke0xq@cox.net](mailto:ke0xq@cox.net) to arrange a time for pickup.

**Sinclair SRL-229 Base Station Antenna.** Gain:6.1 dB (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 WBOCMC. 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](#)

## AARC Flea-Esta September 10, 2016

8:00 a.m. to 12:00 noon

In the Air Conditioned 4-H Building at the Sarpy County Fair Grounds

Breakfast and Lunch will be available on site

Admission Tickets are \$5.00 each

Kids 10 and under free, when accompanied by an adult.

Grand Prize: UASU VX6R Tri-Band HT Radio



Left: Joe and Caesar “suit up” prior to taking the initial walk up to the elevator (below) carrying the new antenna. The antenna itself is 20 feet long.

It was windy during the installation, on Sunday, 31 Jul 2016, about 30 knots on the ground and 50 up on the tower.





The left picture you can see the elevator that was used to bring up the new and take down the old antenna. The jumper to the old antenna from the hard line wasn't in too good a shape and it has been eliminated. It had water in it with some corrosion. The hard line is now connected directly to the antenna with no jumper and UHF connector that was on the old one eliminated. Joe checked all the rest of the antenna lines and splitter and found them in good shape. The old antenna appears to have had a lightning strike as well. Nice little weld bead on the top so probably a trailer rather than a direct hit. With the elimination of the jumper, splice and UHF connector we probably got a couple more dBs less loss. And the mad button pusher who never IDs is not as noisy any more.

The picture on the right shows the platform where the antenna is located about 700 feet up, and as mentioned the wind up there was estimated at 50 knots. For more information contact John WB0CMC on acquiring the old antenna.

# 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.