

# Ham Hum

Sep 2016 Volume LXV1, Issue 9

During the August AARL meeting , George Bellairs, KBOZZT, gave a presentation on DMR-DCI Open Networked Repeater Programming Information. He provided handouts on the local DMR repeaters , their locations, and of course the Frequencies and owner information. He further explained that each DMR radio must have an 8-digit identification number



**GEORGE BELLAIRS, KBOZZT**

that the DMR Data Manager will assign and you must program that code in your radio. George brought in a few of his radios so that we could see the different styles and more importantly to some, the cost range of these radios. Recommended Models for those interested may research the following:

Motorola XPR 4550 & 5550 mobile radios include Roaming

Motorola XPR 6550 & 7550 hand held radios include Roaming

Connect Systems CS-750 hand held radio does not include Roaming

Connect Systems CS-800 mobile radio does not include Roaming

Tytera (TYT) MD-380 & MD-390 hand held radios does not include Roaming

Hytera (not same as Tytera) models PD368 & other radios does not include Roaming

Please checkout the DMR-MARC WVN link at: <http://www.dmr-marc.net/> and [www.trbo.org](http://www.trbo.org)

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## SEPTEMBER MEETING:

The September meeting will be on 9 Sep 2016, 7:00 PM, Red Cross Bldg., 81st & Spring Streets, Omaha, NE The program will be on Dstar / Dvap by Justin. **D-STAR** (Digital Smart Technologies for Amateur Radio) is a digital voice and data protocol specification for amateur radio. The system was developed in the late 1990s by the Japan Amateur Radio League and uses frequency-division multiple access and minimum-shift keying in its packet-based standard.

## Club Calendar

- Sep 9 7:00 PM AARC Meeting Red Cross, 81st & Spring St, Omaha, NE  
**Sep 10 AARC Flea Est** at the Sarpy County Fair Grounds in Springfield NE,  
**just off of 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
- Sep 17 AARC Coffee & Conversation 10770 MSt, Omaha, NE (Village Inn)  
Sep 18 AARC Picnic 1:30PM, in Hayworth Park, Bellevue, NE (On the Missouri River)  
Sep 21 Heartland Hams Meeting, 7:00PM 403 Railroad Ave, Glenwood, IA  
Sep 22 PARC Meeting, 7:30PM, 1900 Military Ave, Fremont, NE  
Sep 22 SWIARC Meeting, 7:30 PM Loess Hills Chapter Red Cross, 705 N 16th St C-Bluffs  
Sep 27 License Testing 6:30 PM, Red Cross building, 2912 S 80th Ave, Omaha, NE  
Oct 6 License Testing 6:30PM, Northside Café' 2701 N 48th St, Lincoln, 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.  
Oct 25 AARC Board Meeting, at HyVee
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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 Bri-an 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/>



George, KB0ZZT gives his presentation on DMR during the August Meeting

## 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 - August 29, 2016**

**The following is a summary of the AKSARBEN ARC Club Meeting - August 12, 2016 . The complete minutes are available at [www.aksarbenarc.org](http://www.aksarbenarc.org)**

**Attendance was 42.**

**The new Telwave repeater antenna was purchased for \$1,349.25 and installed on the KETV tower.**

**The lease with Sinclair/KPTM was submitted.**

**Tonight's program will be by George Belaires, KB0ZZT on DMR.**

**There was a good turnout for the MARE during the month and some members assisted with RAGBRAI.**

**Upcoming there will be an OMMRS training session on stewardship on August 16 at the Salvation Army facility.**

**The Corporate Cup Run will be September 25 and the Market-To-Market relay will run on October 8. Contact Pat, K0CTU to assist.**

**Russel Michaelson, N7SM was accepted as a new member.**

**Chuck, KC0ANV has medical problems and KF0MS in Fremont became a silent key.**

**There has been a donation of 'small stuff' to sell at Flea-Esta.**

**The club will be operating from Homestead National Monument again on August 25, the day of the 100th anniversary of the National Park Service.**

**There will be a transmitter hunt on Sunday, August 14 starting at 3 PM from Memorial Park.**

**The grand prize for Flea-Esta will be a Yaesu VX-7R HT on September 10. We need volunteers for setup on Friday afternoon. Contact Chris Rice for details.**

**The club potluck picnic will be September 18 at the Hayworth Park picnic shelter at 1:30. The club will provide hamburgers and hot dogs.**

**The Siouxland ARC flea market will be October 22.**

**We're looking for display ideas for the mini-maker fair at the Children's Museum in October.**

## 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).

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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)

### 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 FMcCollum,KE0XQ** has several years of QST magazines for anyone who would like to come see — Bill and get them. Contact Bill at [ke0xq@cox.net](mailto:ke0xq@cox.net) to arrange a time for pickup. PLEASE CALL TO INSURE THERE STILL AVAILABLE

### 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](#)

**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 ½" 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)

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### AUGUST DOOR PRIZES

Russ, NEOG was the winner of a 2015/16 Repeater Directory. Bill, KD0FJR also won a Repeater Directory 2016/17 edition. Then there was this Electronics Fun Kit so jam packed with components we could not get them back in the case; this Kit was won by Marvin, AE0EG. Mary, N0TRK picked up a wire stripper and cutter combo.

Brian, KEOGKB won himself a tool kit. And then the traditional Mr. Reeh prize was won by the same Brian, KEOGKB. Not sure what it is, a bit fuzzy but it is the metal box with two red buttons and a black button.



Finally the Brown paper bag was won by Brian, WE0BEP. A 10 inch Pittsburgh wire cutter that can cut through coax cables. (Picture not available).

# 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.