

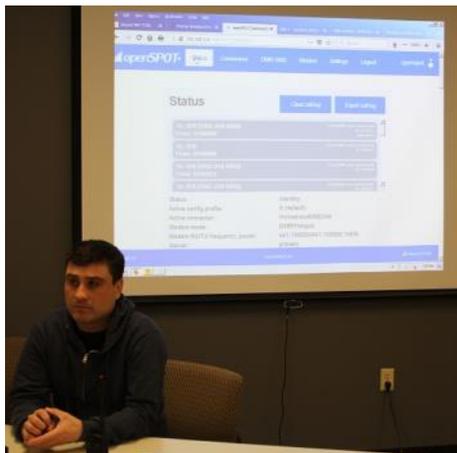
Ham Hum

April Volume MMXVIII, Issue 4

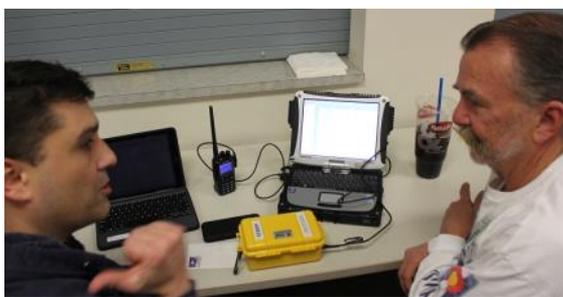
The April program was presented by Justin, KE0BHP, who provided information and a demonstration of Digital Mobile Radio Hot Spots.

After touching on the types of DMR protocols (Brandmeister, D-Star , Fusion) He showed how to access “openSPOT”, a standalone digital radio IP gateway designed for amateur radio and explained how we can reach DMR, D-STAR, and C4FM/ System Fusion networks using an openSPOT, internet access, and your DMR/D-STAR/C4FM radio.

He made a contact with a gentleman in Ohio during his demo. Pictures here are of Justin before and during his demo.



During the April meeting, Justin will be talking about DMR on HF radio.



The April Meeting will be held on **Friday April 13, 2018, 7:00PM** at the American Red Cross Building, 81st & Spring Street.

AKSARBEN ARC Club Meeting - March 9, 2018

The meeting was called to order at 7:00 PM by saying the Pledge of Allegiance followed by introductions by name and call. There were 34 attendees.

Officers and Board members present included: Bill, WA9ASD; Justin, KE0BHP; Brian, KE0GKB; Dave, N0JSB; Dan, N0POT; Kevin KA0VNY

Secretary's Report - Brian KE0GKB - The minutes of the previous meeting, as published in Ham Hum are accepted (without corrections).

Treasurer's Report - Dave, N0JSB - In the month of February there were deposits of \$216.00 Membership, \$23.00 Cookies, 19.09 from Amazon Smile. Payments consisted of \$21.94 for meeting treats, \$10.70 for HAM HUM Supplies. This leaves the balance of all the club accounts at \$24042.00

President's Report - Bill, WA9ASD - There are three Hamfest in the area, Get out and reallocate some equipment.

Vice President's Report - Justin, KE0BHP - The Presentation for tonight is "DMR Hotspots" by Justin KE0BHP. This will be a demonstration about configuring and using a Hotspot to access remote sites from your home. Next Months presentation will be on Digital HF. We are also looking for suggestions for future programs.

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ARES/SATERN/COMMUNITY EVENTS

ARES Steve, NOUP

There are 3 events scheduled:

Spotter training is set for March 27, 2018 at 7:00 PM

At Elkhorn South High School.

Additional opportunities for training are can be viewed at <https://www.weather.gov/oax/spotter>

Lancaster County "WeatherFest" from 9 a.m. to 2 p.m. Saturday, April 7 at the University of Nebraska-Lincoln's Innovation Campus

Advanced Spotter training will be at the Salvation Army April 19 at 7:00 PM There is limited seating so RSVP's will be required with preference given to those that have attended spotter training.

OMMRS - Mary N0TRK Nothing to report

Community Events - Pat K0CTU - Nebraska State High School Track meet at Burke High on May 18, 19, 2018 This is a two-day event those assisting will be relaying event results to the broadcast booth and relaying any request for Medical assistance.

Public Service - Jim, KA0KCV - No Report

Education Committee - Justin, KE0BHP - Training dates will be in May but have not been confirmed and will be posted at a future date.

Membership Committee - Mary, N0TRK -

We welcome two new members!! Thomas KE0QBM and Pat W00JU.

A Motion was made to accept these members by John WBOCMC and Second by Jim KA0KCV. After a brief discussion both members were approved by voice vote.

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Publications/Web Services

Ham Hum - Brian, WE0BEP - If you have any articles that you would like published please contact Brian.

Web Services - Mary, N0TRK/Adam, KDOMMG - Website is working. If you notice any issues, please contact the webmaster web_master@aksarbenarc.org

Repeater Committee - John, WBOCMC -

The repeater is working fine. There is some Maintenance to replace some capacitors. Currently the antenna is located on a platform about halfway up the KETV Tower on the west side. This gives us a 120-degree shadow to the east. We may be moving the location to the south corner of the platform giving us a shadow of 60-degrees shadow to the north-east giving us much better coverage for the Omaha Area.

Field Day - Adam, KDOMMG- There will be an organizational meeting at the Salvation Army building at 9:00 Saturday March 17.

Last years event was very successful event with several hundred people stopping by to see us "or maybe the Ships". On Saturday we will be discussing all possible locations to host Field Day for 2018 any suggestions are welcome.

QSL and Technical Committee - Eddy, K0IL - No Report

Courtesy Committee - Bill, KE0XQ - No Cards Sent out this Month

Trailer/Equipment Committee - Mary, N0TRK - There is still equipment left that was donated to the club last year. We will have equipment at area Flee Markets and on the table after the meeting.

Public Awareness - Offutt Airshow is coming up on August 11 and 12

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Transmitter Hunt - Dan, NOPOT No events planned this month but mark your calendar for April 15 More information will be in the HAMHUM. Get your equipment out and tuned up for the new season.

Flea-Esta - Chris. The dates are September 8,2018

Old Business - No Old Business

New Business - It has been noticed that there is a shortage of IRLP Repeaters in the Omaha area and maybe there is a way the club might help in locating a repeater that might be available for this service. The discussion of the club continued for several minutes on this topic and three issues soon became apparent.

1: IRLP requires internet access and many of the repeaters are either privately held and the owner would have to provide that access, or the repeaters are in remote locations where internet access is not available.

2: There are no frequency pairs that would coordinate in the Omaha area so a new repeater would not be an option.

Discussion on this topic was tabled and there was no additional business for the member to consider.

Announcements -

John WBOCMC has three ATV transmitter for sale
Nebraska State Convention is on Saturday at Lancaster event center.

Door Prizes - Adam, KDOMMG - said, "Door prizes, we got em.". All tickets are retained until the December meeting for the big drawing..

Coffee and cookies are available in the break room before the program.

At 7:35 PM, a motion to adjourn was made by Norm WDOJYD and 2nd by John WBOCMC.

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

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. (Not so Active anymore)

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.

BOARD MEETING NOTICE

The next AARC Board Meeting is scheduled for **23 April 2018 at 6:30PM**, Peony Park Hy-Vee on Cass Street, Omaha. Unless further Notice, the board meetings are held on the fourth Tuesday of each month.

Good idea to check the WEB Site for any changes in Dates or Locations.

Club Officers & Board Members

President	Bill True	WA9ASD	president@aksarbenarc.org
Vice President	Justin Tabor	KE0BHP	vicepresident@aksarbenarc.org
2018 Secretary	Brian Sohl	KE0GKB	secretary@aksarbenarc.org
2018 Treasurer	Dave Rice	NØJSB	treasurer@aksarbenarc.org
2017-2018 Director	Dan Buchholz	NØPOT	board@aksarbenarc.org
2018-2019 Director	Brian Sohl	KC0HLB	board@aksarbenarc.org
2018-2019 Director	Barb Westcott	KE0GKB	board@aksarbenarc.org
Immediate Past President	Kevin Hill	KAØVNY	board@aksarbenarc.org

Club Committees

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-Dir.	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 Coord.	Bill McCollum	KEØXQ	oo_coordinator@aksarbenarc.org

AARC Ham Hum Post Office Box 24551, Omaha, NE 68124-0551

March Door Prizes

This past month we had two Brown Bag prizes. Bill, KC0SVZ who won a 25 Foot Tape measure and a 10 inch Cable Cutter, both from Pittsburgh Tools owned by Harbor Freight. These are made in China and have a lifetime guarantee. If they break, bring them back to Harbor Freight for a replacement, no questions asked and no receipt necessary. What a deal.



Bill Wilkinson KC0SVZ

Von Oliver, looking over his Brown Bag Prize, seems to be contemplating whether or not he should take the risk of actually plugging this into an electrical outlet. Seems to be an old Crystal Radio from the Marconi era. Maybe Von should just place it on the shelf for his shack and see how it looks next to the other equipment. Or maybe bury it some place like it was a Jumanji Game.



Von Oliver KD0KFR

Finally we see Russ Hilton who picked up the Mr. Reeh Prize. A really cool four element Yagi antenna. Serious results can be expected when you have a 4 elements Yagi, or maybe not. Could it be modified to participate in the monthly Fox Hunts?



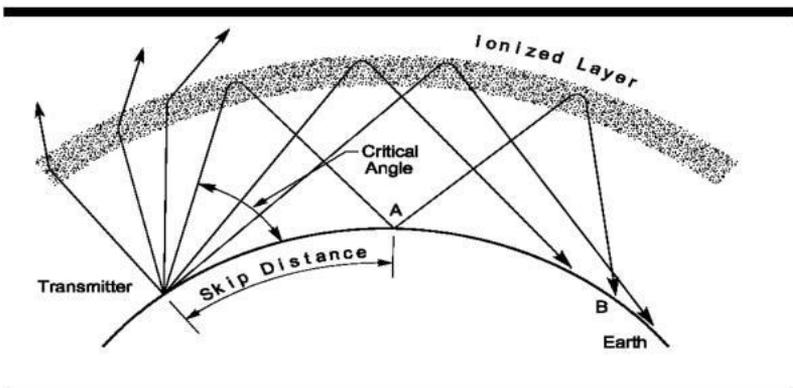
Russ Hilton A00QH

Other prizes won: Brian, W00BEP a Cargo Strap // Dan, N0POT Wire Cutters & Oscilloscope DIY Kit. // Terrence, KE00PB Icom Ball Cap. // Mitch, W0JG Star Key Set. // Dave, N0JSB Bungee Cords.

The Term "Critical Angle " as used in Radio Wave Propagation.

Basically it is the highest take off angle that will return a radio wave to the Earth. At each frequency there is a maximum angle for which the radio wave can leave the antenna and still be refracted back to Earth by the ionosphere instead of simply passing through it and proceeding out into space. The critical angle changes depending on the ionization of the ionosphere.

Radio waves encountering the ionosphere above the critical angle don't get bent enough to return to Earth. Waves entering at angles below the "critical angle reach the Earth at increasingly greater distances as the launch angle approaches horizontal.



EQUIPMENT ADS

Items are sold by the Aksarben ARC and inquiries should be directed to

equipment@aksardenarc.org

Home Brew Amplifier

A superb construction of a full legal limit HF amp. by the book. Needs only a 3-1000Z tube and HV P.S. needs to be reassembled. See Aksarben eSwap for more details. just reduced to \$500. We deliver.

Dummy load - high power. full legal limit - 12 x 600 Ohm 375 watt resistors in parallel \$150

HP 432A RF Power Meter with 8478B thermistor mount 10 MHz to 18 GHz \$160

Shure 522 desk mic \$25

Heathkit HD-19 Phone Patch Change the connectors and you have a computer interface. \$15

1988 Handbook \$20

1995 Handbook \$20

Low speed reversible motor - 11 or 23 RPM - 115 vac \$20

600 Ohm 375 watt non-inductive resistor \$15

General Radiotelephone SWR/Wattmeter 5w / 25 Model 615C \$15

More items listed on page 11

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. omni-directional. 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: \$1,338.75 + S&H. Your price: only \$500 (OBO) The antenna has had a minor repair and is in good working order.

2M FM Transceiver, KDK FM-2033, no Microphone or manual, appears to be for packet - \$35

NYE Viking 2000 Watt low Pass Filter \$5

Sears 526.36750600 SWR meter \$5

Archer SWR/FS meter \$5

MFJ-815B HF Peak Reading SWR/Wattmeter \$50

MFJ-941D Versa Tuner II - coax switch , SWR Meter, Wattmeter, antenna tuner \$60

We have some New members, **Tom Meyers, KE0QBM** a General Class Ham from Omaha (which I was not able to get a picture)

And **Pat Connell, W0OJU** an Advanced Class Ham. Pictured below.



Club Calendar

- Apr 13** AARC Meeting, 7:00 PM, Red Cross, 81st & Spring St, Omaha, NE
- Apr 18** 7:00 PM Heartland Hams Meeting, 403 Railroad Ave, Glenwood, IA
- Apr 19** 7:30 PM..Bellevue ARC meeting, Bellevue Masonic Hall Dining Room, 1908 Franklin St, Bellevue, NE
- Apr 21** AARC , Coffee and Conversation 10770 M St, Village Inn Omaha,6:30 PM
(Corner of 108th and L Streets)
- Apr 24** License Testing 6:30 PM 705 N 16th St, Council Bluffs, IA 51501
- Apr 26** 7:00 PM SWIARC meeting 705 N 16th St, Council Bluffs, IA.
- Apr 26** 7:30 PM PARC Meeting, 1900 E. Military Road, Fremont, NE
- May 3** License Testing Lincoln ARC, 6:30 PM, 2701 N 48th St, Lincoln, NE
- May 9** Lincoln ARC meeting, 7:30PM 4647 Superior St, Lincoln, NE
-

Other Dates To Remember

- 8 September 2018** AARC Annual Ham Radio Flea Market
8:00 AM to 12:00 Noon
Sarpy County Fair Grounds, Springfield, NE

17,18,19 May 2016 is the Nebraska State Track and Field Meet.
Contact Pat, KOCTU if you can assist in communication support.

Coffee and Conversations get togethers are held on the 3rd Saturdays of each month at the Village Inn Restaurant on the corner of 108th and L Street, Omaha, NE. An informal setting to have a late diner off the menu, or breakfast of course, or just have a pot of coffee or drink and maybe enjoy some really nice deserts available.
The next C & C is 21 April, 2018 at 6:30 PM.

