

Ham Hum

May Volume MMXVIII, Issue 5

On Friday and Saturday, May 17th and 18th, our club will once again assist the Nebraska State High School Track Meet that takes place at Burke High School in Omaha. The Ak-Sar-Ben Amateur Radio Club has been a part of the State Track Meet for close to 30 years. Our volunteers use their radios to forward time sensitive messages from the site of each field event, in support of the officials on the scene. Most of the messages relate to preliminary results of the events so that they be announced over the PA System.



But more importantly, we can also relay emergency medical traffic in support of the athletes and spectators. We also have the ability to relay severe weather information when monitoring ARES weather nets.

At one point, some of the officials felt that they could handle relaying messages via their cell phones, once they became widely used. They discovered that cell coverage was spotty due to the thousands of people on site that were using the service at the same time. Fortunately, we are immune to those limitations. Many of the State Meet officials respect our quick and efficient ability in message handling.

Continued ... See Track Meet on Page 11 (Pictured above: Tom NOSTN)

The May Meeting will be held on **Friday, May 11, 2018, 7:00PM** at the American Red Cross Building, 81st & Spring Street.

AKSARBEN ARC Club Meeting - April 13, 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 44 attendees.

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

Secretary's Report - Brian KE0GKB - The minutes of the previous meeting, as published in Ham Hum are accepted (with corrections; board member Barb, KCOHLB was present).

Treasurer's Report - Dave, N0JSB - In the month of March there were deposits of \$91.00 Consisting of: \$60 from Membership and \$31.00 from Treats \$31.00. Payments of \$203.43 consisted of \$17.46 for meeting treats, \$89.97 for HAM HUM Supplies and \$96.00 for Club P.O. Box. This leaves the balance of all the club accounts at \$24054.57

President's Report - Bill, WA9ASD -We had a large donation from the wife of a Silent Key N0HTV, some of this equipment is currently on the table. Please come up during the break and help reallocate some of this equipment.

Vice President's Report - Justin, KE0BHP - The Presentation for tonight is "Digital Modes". This will be a demonstration about configuring and using several of the digital modes. We are also looking for suggestions for future programs.

Continued on Page 3

ARES/SATERN/COMMUNITY EVENTS

ARES Steve, NOUP - We had a great turnout at Weather Spotter Training several weeks ago. We Almost had weather today "it missed us by a river and a county" and with storm season here we started testing a notification system called "TEAM APP". This is used primarily by sporting teams and kids for notifications of Practices, delays and cancelations of events. It also can be used for call outs for weather events. TeamApp can be downloaded from the app store then search for MDARES. This will be used for the early call outs but if these systems are not working we will still be using .94. This will be used for call outs for spotters for weather events and after event call outs for radio operators.

Also, we have added DMR out at the National Weather Service and we will be monitoring "Nebraska" so you can use it to contact the weather service.

OMMRS - Mary NOTRK -April 26 will be training for ICS Incident Command Structure and how it relates to Amateur Radio. This will be at 7:00 PM at the Salvation Army headquarters. More to come on this later.

Community Events - Pat KOCTU - 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. Please contact Pat for additional information. Operators may want to bring items like sun screen, Chairs, Big Hats, and Water. Please check the weather so you know how to prepare.

July 8 "Beat the Heat" race near the Wabash trace. There will be a need for testing before the event since this is very low-lying area and even cell-phones have a difficult time operating there.

Continued on Page 4

Public Service - Jim, KA0KCV - No Report

Education Committee - Justin, KE0BHP - Training dates for Technician License will be May 8,15, and 22 will testing on May 29. More information will be on the web-site.

Membership Committee - Mary, N0TRK -
We welcome five new members!! Mike KE0QLG, John N2AO, Joel KE0MX, Tom K0XTC and Anthony AJ0Z

A Motion was made to accept these members by Pat K0CTU and Second by Adam K0OMMG. After a brief discussion all members were approved by voice vote.

Publications / Web Services

Ham Hum - Brian, W00BEP - If you have any articles that you would like published please contact Brian.

Web Services - Mary, N0TRK/Adam, K0OMMG - Website is working. If you notice any issues, please contact the webmaster [web master@aksarbenarc.org](mailto:webmaster@aksarbenarc.org)

Repeater Committee - John, WBOCMC -
The repeater is working fine. There was some thought that we may be able to move the antenna to the south-West corner for better coverage of the Omaha area but after the tower crew assessed the situation it was determined to be cost prohibitive.
ATV and DSTAR are also up and running

Field Day - Adam, K0OMMG- This year we will be back at Freedom Park.
Last years event was very successful event with several hundred people stopping by to see us "or maybe the Ships". It will be a great time to show off Ham Radio, Eat, And Communicate.

QSL and Technical Committee - Eddy, K0IL - No Report

Continued on Page 5

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 need assistance taking down antennas and radio equipment for a "Silent Key" Please watch for more information soon.

Transmitter Hunt - Dan, N0POT- The first transmitter hunt will be April 15 at 2:00PM at Memorial Park. The Rabbit is on 146.475 if you would like to listen and talk in will be on the .94 repeater.

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

Old Business - No Old Business

New Business -

Tom KE0QBM has been asked by another club to talk about a service called Ham Shack Hotline. This is a VOIP service for Amateur Radio that is not intended to replace radio communication but to supplement it. Please visit the website <https://hamshackhotline.com/> for more information about this service.

Announcements -

John WBOCMC has three ATV transmitter for sale

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. Please donate to help offset the cost of these treats.

Also, support your local repeater. The club accepts donations for any area repeater and forwards the money to the appropriate owner.

At 7:42 PM, there being no more business before the club the meeting was adjourned.

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 **22 May 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

The Presentation for April 2018 Club Meeting was a demonstration of Digital Modes using **FLDIGI & WSJT-X.**

Three stations setup to send and receive data, displaying on three separate overhead projectors were:

Dudley Allen KDONMD

Terry Gampper NOBXQ

Dennis Mitchell KCOYKN



Terry NOBXQ



Dennis KCOYKN

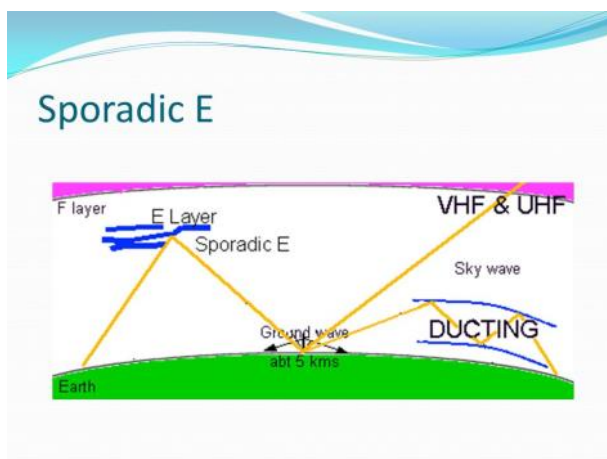


Dudley KDONMD

The Sporadic—E

The term sporadic-E refers to an interesting property of one of the lower ionospheric layers — the E-layer. Somewhere around 65 to 70 miles above the Earth, illumination of the E-layer by the sun produces small highly-ionized regions that are highly reflective to radio waves. So reflective, in fact, that they can reflect 6-meter, 2-meter, 1.25-meter, and (rarely) 70-cm band signals back to Earth. These regions don't last more than an hour or two and drift around over the Earth's surface. While they're there, though, hams can use them as big radio reflectors. Their temporary nature has led to the name sporadic-E for the propagation paths that use them.

Sporadic-E, or Es, propagation occurs all through the year, but is most common in the early summer months and winter months. When Es are present, signals appear to rise out of the noise over a few seconds as the ionized patch moves into position between stations. The path may last for seconds or for an hour, with signals typically very strong in both directions. Working Es with only a few watts and very simple antennas is possible. Most VHF/UHF DXers get their start working Es openings on 6-meters, and certainly more people are actively DX-ing in that way than in any other.



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

Track Meet(continued from page 1)

As a ham radio volunteer, you are considered a Meet Official. You are issued a uniform, which consists of a polo shirt, a cap, and a name tag with a lanyard. With the huge crowds that attend the State Track Meet, parking can be difficult to find. That's not a problem, because we are allowed to park in the reserved parking lot near the entrance that is designated for Meet Officials and the press.

If you would be interested in being a part of our Track Meet support crew, you can send us a message at community_service@aksarbenarc.org. Put "Track Meet" in the subject line.

Patrick Joseph - KØCTU

Club Calendar

- May 11** AARC Meeting, 7:00 PM, Red Cross, 81st & Spring St, Omaha, NE
May 12 License Testing 1:00 PM 11111 S 84th St Papillion, NE
Bellevue ARC VE Session is at Midlands Hospital, Papillion, NE
- May 16** 7:00 PM Heartland Hams Meeting, 403 Railroad Ave, Glenwood, IA
- May 17** 7:30 PM. Bellevue ARC meeting, Bellevue Masonic Hall Dining Room,
1908 Franklin St, Bellevue, NE
- May 19** AARC Coffee and Conversation, 10770 M St, Village Inn Omaha, 6:30 PM
(Corner of 108th and L Streets)
- May 24** 7:00 PM SWIARC meeting 705 N 16th St, Council Bluffs, IA.
May 24 7:30 PM PARC Meeting, 1900 E. Military Road, Fremont, NE
May 29 License Testing Omaha Area VE Team, 6:30 PM 2912 S 80th Ave, Omaha, NE
- Jun 7** License Testing Lincoln ARC, 6:30 PM, 2701 N 48th St, Lincoln, NE
- Jun 8** AARC Meeting, 7:00 PM, Red Cross, 81st & Spring St, Omaha, NE
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FLEA ESTA

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

More to Come on this Event

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 19 May, 2018 at 6:30 PM.

