



Ham Hum

June 2019 Volume LXIX, Issue 6

Matt Anderson, **KA0BOJ**, the NE Section Manager for ARRL, spoke on a number of subjects during the AARC meeting in May. He talked about the Nebraska QSO Party coming up on Saturday, September 7, 2019.

Also, there is a Web Site under development (NEQP1.org) In addition,

Matt mentioned VHF Contest on June 8th (1:00 PM to 3:00 PM) where some locals (KB0LF, WB9QAF, K5SEZ, and others will do ROVERS. That would be driving around and stopping here and there to setup their VHF station. See pics below:



Matt also mentioned that the ARRL has asked the FCC to expand HF privileges for Technician licensees to include limited phone privileges on 75, 40, and 15 meters, plus RTTY and digital mode privileges on 80, 40, 15, and 10 meters. ARRL's petition points to the need for compelling incentives not only to become a radio amateur in the first place, but then to upgrade and further develop skills. (continued on page 9)



The Program for Jun 14, 2019

Joe, K0NEB

On the 2019 Ham Fest in Dayton, OH.

AKSARBEN ARC Club Meeting – May 10, 2019

The meeting was called to order at 7:02 PM by saying the Pledge of Allegiance followed by introductions by name and call. There were 41 attendees.

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

Secretary's Report - Brian, KE0GKB - The minutes of the previous meeting as published in Ham Hum are accepted with no corrections.

Treasurer's Report - Dave, N0JSB - As of April 30 the club accounts had balances of: Main Checking \$3,101.43 Repeater Checking \$550.62 Savings \$6,979.68, CD Life Member one \$6,445.87, CD Life Member two \$6,690.01, and CD Repeater \$1,104.44 This leaves the balance of all the club accounts at \$24,872.05.

In the month of March there were deposits of \$137.00 Consisting of: \$37.00 from Refreshments, \$60.00 from membership dues, and \$40.00 from equipment sales. Monthly expenses of \$131.76 consisted of \$25.34 for meeting treats, \$83.42 for Ham Hum Supplies and \$23.00 for Corporation Bi-Annual Fees.

President's Report - Kevin, KA0VNY -No Report

Vice President's Report - Sean, ADOQG - Tonight's program will be "ARRL Nebraska section manager Matt" Next month's will be "Highlights from Dayton" by Joe Eisenberg K0NEB.

ARES/SATERN/COMMUNITY EVENTS

ARES Steve NOUP - Not a lot of activity. The next ARES event will be after the state track meet and before the Field Day.

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OMMRS - Mary, NOTRK - No Report

SATERN - No events planned until after the State Track Meet and Dayton.

Community Events - Pat KOCTU - May 17 and 18 is Nebraska State Track meet. If you have volunteered, I have your packets across the hall please see me after the meeting.

Education Committee - Rea NØREA-(New Callsign) we are tentatively looking at having a class for technician starting Tuesday July 30 for eight weeks with a test date of September 24. I am looking for any videos of HAM operations and event, and I am looking for a "Panel of Experts" to pick a night and answer any questions that may arise.

Membership Committee - Mary, NOTRK -Reminder notices have been mailed out to the members who not paid their dues yet. We are looking to switch our membership database from my 1990 vintage Access database to "Ham Club Online". This is a person who has been a HAM for a long time and wants to give back to the community. Ham Club Online pulls data from the FCC database so when you change your callsign or update you address the club records are also updated. If you get an email from Ham Club Online, it is not junk mail it is from us.

Publications/Web Services

Ham Hum - Brian, WEOBEP - I will be going to Florida on personal business for a month starting May 23, if you have any information for the HAM HUM please try to get it to me by Sunday or Monday at the latest.

Web Services - Mary, NOTRK/Adam, KDOMMG - The website is working.

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Repeater Committee - John, WBOCMC - The DSTAR antenna on the First National has been changed out with a Diamond X300, it was not moved to a better location because it would not be able to connect to the lightning arrestor system.

Field Day - Adam, KD0MMG - Field Day will be at the Red Cross we will be operating as an emergency site. Since it is at the Red Cross it is a smaller site so we will not be operating seven or eight stations. The final Committee meeting will be Saturday June 1st at 9:30 A.M. if you are interested in operating on field day that will be the time where we will be finalizing the plans. We have requested the meeting rooms and the grounds; this includes the radio room. Since we are operating as an emergency station, we can use existing antennas and power, but we can run off generator if we want extra points.

QSL and Technical Committee - Eddy, K0IL - No report

Courtesy Committee - Bill Snyder KD0FJR - has taken on this position and asked, "if you know of any cards that need to be sent out please contact me".

Trailer/Equipment Committee - Mary, N0TRK - No Report

Public Awareness - No Report.

Transmitter Hunt - Dave, N0JSB - It's Mother's Day so we will put it off for another month.

Flea-Esta - Chris - No report

Old Business - No Old Business

New Business - No New Business

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Announcements John, WBOCMC needs help putting his antennas back on his roof after the windstorm.

Door Prizes - there was no drawing tonight.

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.

There being no more business before the club the meeting was adjourned at 7:23 PM.

The next **Coffee and Conversation** is June 15 at the Village Inn --- 10770 M St, Omaha, NE

This is an Unofficial gathering of AARC members and other area ham radio operators to enjoy great food and talk about whatever.

Come on out... 6:30 PM — 9:30 PM.



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

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.

Friday

10:00 PM 224.760- Tone 146.2 Promote the Band 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.

BOARD MEETING NOTICE

The next AARC Board Meeting is scheduled for **25 JUN 2019 at 6:30PM**, Peony Park Hy -Vee on Cass Street, Omaha. Board meetings are held on the fourth **Wednesday** of each month.

Club Officers & Board Members

President	Kevin Hill	KAØVNY	president@aksarbenarc.org
Vice President	Sean Edwards	ADØQG	vicepresident@aksarbenarc.org
2018 Secretary	Brian Sohl	KEØGKB	secretary@aksarbenarc.org
2018 Treasurer	Dave Rice	NØJSB	treasurer@aksarbenarc.org
2019-2021 Director	Dave Rice	NØJSB	board@aksarbenarc.org
2019-2021 Director	Dan Buchholz	NØPOT	board@aksarbenarc.org
2018-2019 Director	Brian Sohl	KEØGKB	board@aksarbenarc.org
2018-2019 Director	Barb Westcott	KCØHLB	board@aksarbenarc.org
Immediate Past President	Bill True	WA9ASD	board@aksarbenarc.org

Club Committees

Courtesy Committee	Bill Snyder	KDØFJR	courtesy@aksarbenarc.org
Education	Ray Blackburn	NØREA	education@aksarbenarc.org
Field Day	Adam Kavan	KDØMMM	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	KDØMMM	prizes@aksarbenarc.org
A.R.E.S.	Steve Schmitz	NØUP	n0up@arrl.net
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
Member	Russ Hilton	ADØQH	repeater@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

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

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.

Sinclair SRL-229 Base Station Antenna. Gain 6.1 dB (8.3 dBi). Bandwidth 6 MHz (centered @ 144-148 MHz). (Also works 440) 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.

Club Calendar

- Jun 6** License Testing Lincoln ARC, 6:30 PM, 2701 N 48th St, Lincoln, NE
Jun 12 Lincoln ARC meeting 7:30PM LI-COR (4647 Superior St, Lincoln, NE
Jun 14 AARC Meeting, 7:00 PM, Red Cross, 81st & Spring St, Omaha, NE
Jun 15 AARC Coffee and Conversation, 10770 M St, Village Inn Omaha, 6:30 PM (Corner of 108th and L Streets)
Jun 19 Heartland Hams Meeting, 7:00 PM, 403 Railroad Ave, Glenwood, IA
Jun 20 Bellevue ARC Meeting 7:30 PM, 1908 Franklin St, Bellevue, NE
Jun 21 Heartland DX Association, 6:00 PM, Village Inn, 78th and Dodge, Omaha.
Jun 22-23 ARRL Field Day
Jun 25 License Testing Council Bluffs, 6:30 PM, 705 N 16th St
Jun 27 7:00 PM SWIARC Meeting,, 705 N 16th, Council Bluffs, IA
Jun 27 7:30 PM PARC Meeting, 1900 E. Military Road, Fremont, NE

JUL 30 License Testing Omaha ARC, 6:30 PM 2912 S 80th Ave, Omaha, NE

Aug 10 License Testing, Bellevue ARC at Midlands Hospital, Papillion, NE 1:00 PM

Technician licensees, numbering over 378,000, comprise more than half of the US Amateur Radio population. ARRL feels that it is urgent to make it more attractive to newcomers, in part to improve upon science, technology, engineering, and mathematics (STEM) education that inescapably accompanies a healthy, growing Amateur Radio Service. ARRL's proposal is critical to developing improved operating skills, increasing emergency communication participation, improving technical self-training, and boosting overall growth in the Amateur Service, which has remained nearly inert at about 1% per year. The Entry-Level License Committee determined that the current Technician class question pool already covers far more material than necessary for an entry-level exam to validate expanded privileges. ARRL would continue to refine examination preparation and training materials aimed at STEM topics, increase outreach and recruitment, work with Amateur Radio clubs, and encourage educational institutions to utilize Amateur Radio in STEM and other experiential learning programs.

A Final topic presented was the Amateur Radio Parity Act. The ARRL Board of Directors decided that there was a need to review, re-examine, and reappraise ARRL's regulatory and legislative policy with regard to private land use restrictions.

The ARRL board wants to make clear to its members, and to those whose policies and conduct prevent or impair the right of US Amateur Radio operators to operate from their homes, that this pause is not, and should not be interpreted as an abandonment of its efforts to obtain relief from private land-use restrictions. The Board noted that its intent is "to renew, continue and strengthen the ARRL's effort to achieve relief from such restrictions." This actions represents a chance to get the best product possible for all USS Amateur Radio operators.

AARC COMMUNITY SUPPORT

Once again, the Ak-Sar-Ben Amateur Radio Club supported the Nebraska School Activities Association for the 2019 Track and Field State Championships at Burke High School. A two day event each year during



the month of May when Schools from Nebraska and thousands of spectators gather to bring out the best of their athletes. AARC posts radio operators at each event location to relay information to a single net controller in the press box high above the stadium who passes the information to the announcers for broadcasting to the crowd. Other areas that have communication support such as the Medical tent are also covered to provide immediate care to those in need. In addition, as threat of inclement weather approaches, the net controller keeps in touch with the NWS and an eye on the local radar.



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The weather for the 2019 Track and Field State Championships was a bit threatening on Day 2 (Saturday) but we were lucky as the storm coming up from the South West, due to hit Omaha at 3 PM held off until the end of the events; primarily due to the Officials having the field events start one right after another without delays and having Brian-KEOGKB posing a deterrent to any incoming threats (below). Or maybe



not; you had to have been a part of the Strategic Air Command.

Brian-KEOGKB at the 400 Meter Dash.



Brian-WE0BEP on the Boys Class C Pole Vault.

(Brian is taking the picture, “Not” doing the Vault !

Ham Facts

The purpose of the “notch filter” found on many HF transceivers:

A notch filter removes a very narrow band of frequencies - the "notch" - from its input. This allows the notch filter to get rid of an interfering tone, such as from an unmodulated carrier, while maintaining the intelligibility of the desired signal. An automatic notch filter can detect tones and remove them without operator intervention.

One advantage of selecting the opposite or "reverse" sideband when receiving CW signals on a typical HF transceiver:

Interference from nearby signals can often be avoided by moving the receiver's carrier frequency to the "other side" of the desired signal, without changing its audio pitch. This won't work on SSB because it also inverts the spectrum of the speech, rendering it unintelligible.

Operating split means using one VFO for transmitting and another for receiving. This is often used when a rare DX station is on the air with many callers. Operating simplex – transmitting and receiving on the same frequency – can result in a lot of confusion with stations trying to hear the DX station while others transmit. By transmitting on one frequency and having callers transmit somewhere else (usually on adjacent frequencies) everyone can hear the DX station and keep “in sync” for more orderly, effective operating.

Electronic keyers eliminate a lot of the manual work involved in operating a straight key and insure that each dot or dash has the right length and spacing. This allows comfortable high-speed Morse operation even for extended periods of time.