



Ham Hum

February 14, 2020 Volume MCMXLV, Issue 2

Winter Field Day January 2020

Winter Field Day (WFD) is sponsored by the Winter Field Day Association (WFDA), a group that believes that emergency communication is important throughout the year, not just when the weather is “nice”. Like the Field Day in June, WFD runs for 24 hours, with limited time for station setups. Any non-WARC band (ie 12,17, 30 or 60 meters cannot be used) and any mode with the Exception of FT8. WFDA has more of a EMCOMM emphasis than Field Day and that currently FT8 is not capable of passing the exchange for WFD. (They want you to know they aren’t anti- FT8, but as the mode is currently setup, it cannot send a message) However any of the other digital modes are allowed, and no repeater contacts allowed of course, CW and SSB being the primary modes used.

SATERN (Salvation Army Team Emergency Radio Network) took the opportunity to activate the station at the Western Division Emergency Disaster Service Building. They were able to garner bonus points for not being at a home station and for running on 100% emergency power using Bioenno batteries to power the HF rig. The battery had no problem powering a 100 watt HF radio for 6 hours straight on Saturday and an additional 3 hours on Sunday. The group made 376 contacts during the event, and contacted 67 different sections using a single transmitter. Invitations had been sent out to several new hams and there were several who stopped by. 4 of the 16 folks who were at the station during the event got on the air for a while. Everyone enjoyed chili or chicken and wild rice soup that was made available.

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AKSARBEN ARC Club Meeting – January 10, 2019

The meeting was called to order at 7:04 PM by saying the Pledge of Allegiance followed by introductions by name and call. There were 16 attendees. Officers and Board members present included: Sean, ADOQG; Pat, WOOJU; Dan, NOPOT; Dave, NOJSB; Brian, KEOGKB

Secretary's Report - Brian, KEOGKB - The minutes of the previous meeting as published in Ham Hum are accepted with Two correction, In the election notes Rae Blackburn's last name was spelled as two words and Julie's call sign should have read NOWAV

Treasurer's Report - Dave, NOJSB – – As of December 31 the club accounts had balances of: Main Checking \$3,916.51 Repeater Checking \$412.45 Savings \$6,989.06, CD Life Member one \$6,474.29, CD Life Member two \$6,725.17, and CD Repeater \$1,110.30 This leaves the balance of all the club accounts at \$25,627.78.

In the month of December there were deposits of \$500.00 consisting of a donation of \$500.00 from Market to Market Relay.

December Monthly expenses of \$158.14, for meeting treats (This was higher than normal because the club provided some of the food for the election).

President's Report - Sean, ADOQG – This is the club's 75th anniversary, at the board meeting there was a lot if discussion about what we could do for our diamond anniversary, we could add 75 new members, or do other events to promote the club in a good light. If there are other ideas, please let the club know.

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Vice President's Report -- Pat, W00JU - tonight's presentation will be "APRS" by Mary N0TRK. There was also a discussion about members interest in future presentations. Including topics like Fox Hunting and Contesting University. ARES/Disaster Preparedness/

ARES Steve N0UP - No report

SATERN - Mary, N0TRK - We will be doing the winter field day at the Salvation Army EDS building on January 25-26

Community Events - Pat K0CTU- We will be looking for help again this year at the State Track Meet on May 22 and 23. If you would like to help one or both days please let me know, all that you need is an HT.

Education Committee - Rea N0REA- no report

Membership Committee - Mary, N0TRK I had Brian run an article in the Ham Hum about us moving to Ham Club Online. The good thing is you can see other people's information, the bad thing is they can see your information. Your information is pulled from the FCC database so there really is nothing out there that is not already exposed. The only thing that could be exposed is you email address and phone number. Currently you can block your email but not your phone number. In the future I might ask him to block the phone numbers also but, that information is already out there. If you get a message from Ham Club online, it is legitimate so please log in. This will help manage the members information and keep it current. If you are interested in helping, I am looking for a few more people to be administrators in case I am unavailable.

Publications/Web Services Ham Hum - Brian, WE0BEP - no report

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Web Services - Mary, N0TRK/Adam, KDOMMG - The website is up.

Repeater Committee - John, WB0CMC - no report

Field Day - Adam, KDOMMG - No report

QSL and Technical Committee - Eddy, K0IL - No report

Courtesy Committee - Bill Snyder KDOFJR - no report.

Trailer/Equipment Committee - Mary, N0TRK - No report

Public Awareness - Jim, KA0KCV - No report.

Transmitter Hunt - Dave, N0JSB - no transmitter hunt this month.

Flea-Esta - Chris - We placed a deposit on the hall at the Sarpy county Fairground for September 26, 2020, the date was changed because the hall had already been rented. We will send out more information as we get closer. There is a possibility that we might also get a smaller building so we could setup a VE testing session. Old Business - At the last meeting there was some discussion about making some changes to the bylaws and this was tabled to the board meeting. At the board meeting this was discussed in greater detail and the board tabled the motion so we could do a complete review of the bylaws, if you have any suggestions please email them to secretary@aksarbenarc.org. The current bylaws are available for download at aksarbenarc.org on the top of the membership page.

New Business - No new business

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Announcements James Nelson W0JRN, the district emergency coordinator for southeast Nebraska was a guest at our meeting. They are trying to formalize ARES in some of the less populated areas of southeast Nebraska. They will have a planning meeting at 10:00 am on February 8, 2020 at the

Cass County emergency management office upper floor. For more information go to <https://www.facebook.com/ARESSoutheastNebraska/> or email w0jrn@arrl.org.

SWIARC Hamfest March 7, 2020 at the McClelland Town Hall, 117 Main Street McClelland, IA

ARRL Nebraska State Convention March 14, 2020 at the Lancaster Event Center 4100 North 84th Street Lincoln, NE 68501. For more information go to <http://www.lincolnhamfest.org/>

Door Prizes – Tickets are one dollar each or six for five dollars. but you must be present to win!

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 7:37 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.

2:00 PM 50.200 6 Meter Net

9:00 PM 146.940- Douglas Co. ARES net, KØUSA repeater.

BOARD MEETING NOTICE

The next AARC Board Meeting is scheduled for **25 FEB 2020 at 6:30PM**, Peony Park Hy -Vee on Cass Street, Omaha. Board meetings are held on the fourth **Tuesday** of each month.

Club Officers & Board Members

President	Sean Edwards	ADØQG	president@aksarbenarc.org
Vice President	Pat Connell	WØOJU	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	Ray Blackburn	NØREA	board@aksarbenarc.org
Immediate Past President	Kevin Hill	KAØVNY	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	Open	Open	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

- Feb 12** Lincoln ARC meeting 7:30PM LI-COR (4647 Superior St, Lincoln, NE)
Feb 14 AARC Meeting, 7:00 PM, Red Cross, 81st & Spring St, Omaha, NE
Feb 15 AARC Coffee and Conversation, 10770 M St, Village Inn Omaha, 6:30 PM (Corner of 108th and L Streets)
Feb 19 Heartland Hams Meeting, 7:00 PM, 403 Railroad Ave, Glenwood, IA
Feb 20 Bellevue ARC Meeting 7:30 PM, 1908 Franklin St, Bellevue, NE
Feb 21 Heartland DX Association, 6:00 PM, Village Inn, 78th and Dodge, Omaha.
Feb 25 License Testing SWIARC, 6:30PM, 705 N 16th St, Council Bluffs, IA
Feb 27 SWIARC Meeting, 7:00 PM, 705 N 16th, Council Bluffs, IA
Feb 27 PARC Meeting, 7:30 PM, 1900 E. Military Road, Fremont, NE
Feb 5 License Testing Lincoln ARC, 6:30 PM, 2701 N 48th St, Lincoln, NE
Feb 8 License Testing Bellevue ARC, 1:00 PM 11111 S 84th St Papillion, NE (Midlands Hospital)
Mar 7 SWIARC Ham Fest, in the McClelland Town Hall, Iowa.

SWIARC HAM FEST

March 7, 2020

8:00 AM - 1:00 PM

117 Main St (Town Hall)

McClelland, Iowa 51548

Admission at door: \$4.00

Tables: \$10:00 which includes admission.

To reserve a table contact Derek Roberts email:
w0tyg@arrl.net

Talk in stations: 146.820 and 442.225 (PL 136.5)

Main Door Prize: Yaesu FT-70DR

(Must be present to win)

Vendors: D&L Antenna

Winter Field Day (from Page 1)

Participating in Winter Field Day from the SATERN station helps keep the location ready to support disaster operations, not just locally but around the world. SATERN HF nets provide communications into and out of the affected area even before responders can arrive on scene through the international SATERN HF Network. This early response is often the only source of information out of a region and is integral to numerous relief agencies as they gear up their response.

SATERN is an all-volunteer organization made up of licensed amateur radio operators. The Salvation Army Emergency Disaster Services utilizes SATERN volunteers to shadow Salvation Army EDS workers on Canteens as they feed those impacted and those assisting in recovery often putting ham radio operators at the heart of the response. SATERN also is often asked to provide communications support to other agencies and organizations in addition to the Salvation Army. Other SATERN volunteers work from home, using the HF nets to help keep the Salvation Army headquarters apprised of the daily operations.

Pictured below, Pat-KOCTU logs in contacts he made during the 2020 Winter Field Day from the temporary station setup at the Salvation Army Team Emergency Radio Network site.



Georg Simon Ohm was a German physicist **born** in Erlangen, Bavaria, on March 16, 1789. As a high school teacher, **Ohm** started his research with the recently invented electrochemical cell, invented by Italian Count Alessandro Volta. ... **Ohm** made only a modest living and as a result his experimental equipment was primitive.



Best known for his “Ohm’s Law”, which states that the current flow through a conductor is directly proportional to the potential difference (voltage) and inversely proportional to the resistance. The physical unit of electrical resistance, the Ohm (symbol: Ω), was named after him.

1789 - 1854

Born on March 16 in 1789 in the university town of Erlangen, Bavaria, his younger brother Martin Ohm also became a famous mathematician. His father, Johann Wolfgang Ohm, was a locksmith and his mother Maria Elizabeth Beck, who died when Georg was ten years old, was the daughter of a tailor. Johann Ohm taught his children science and mathematics at home and Georg also attended Erlangen Gymnasium for four years.

In 1805, at the age of fifteen Georg Ohm began studying at Erlangen University but he left after three semesters having spent much of his time enjoying himself dancing, ice skating and playing billiards and too little time on his studies.

Geomagnetic field will be:

quiet on: February 8-9, 15-16, 20-23

quiet to unsettled on: February 3, 10-11, 14, 18-19, 24

quiet to active on: (January 31, February 1-2, 6-7, 13, 26)

unsettled to active on: (February 4-5, 12, 17, 25)

active to disturbed: no predicted disturbances.

Solar wind will intensify on: January 31, February 1 (-3,) 6-7, 12-15, (16,) 18-20, (21-22,) 26.

Parenthesis means lower probability of activity enhancement.

The predictability of changes is lower again.

AARC Coffee and Conversation

Every 3rd Saturday come on out to the Village Inn at the corner of 108th and L Streets, Omaha at 6:30 PM until 9:30 PM. Enjoy selections from the menu or just have a pot of coffee and slice of a variety of pies and engage in a conversation of whatever. This is an Unofficial gathering of Club members and other area ham radio operators. Topics may not be radio related, as it could drift into discussions of the latest motion pictures to historical topics. All are welcome.

10770 M St, Omaha, NE

(Corner of 108th and L)

