



Ham Hum

November 8 2019 Volume LXIX, Issue 11

Dan—NOPOT, provided an informative presentation on the 500 foot communications tower at 4100 industrial Ave in Lincoln, NE that collapsed due to a guy wire failure from excessive corrosion. Two witnesses said they heard a couple of popping noises and the tower just fell. No injuries were reported as the tower spiraled down just outside of the structure's compound. In an additional presentation, Dan provided a before and after slide show of The removal and installation of new equipment for changing frequency assignments. Something about shifting TV broadcasters to VHF and lower UHF channels to free-up spectrum for wireless services for mobile devices. Not sure just what this is, I just want to be able to watch the Big Bang Theory.



Question: Do you know where these words were once used?

“What hath God wrought” (See Page 9)

AKSARBEN ARC Club Meeting – October 11, 2019

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 35 attendees.

Officers and Board members present included: Sean, AD0QG; Bill, WA9ASD; Brian, KE0GKB; Dan, N0POT; Dave, N0JSB

Secretary's Report - Brian, KE0GKB - The minutes of the previous meeting as published in Ham Hum are accepted with one correction the word hare was inadvertently placed in the education committee report.

Treasurer's Report - Dave, N0JSB - - As of September 30 the club accounts had balances of: Main Checking \$3,814.96 Repeater Checking \$412.45 Savings \$6,985.53, CD Life Member one \$6,463.71, CD Life Member two \$6,713.26, and CD Repeater \$1,108.36 This leaves the balance of all the club accounts at \$25,498.27.

In the month of September there were deposits of \$2,488.96 Consisting of: \$26.00 from Refreshments, \$21.50 from equipment sales. Additional Flea Esta income of \$900.00 Admissions, Door Prizes \$622.00, Kitchen \$377.46, Vendor \$346.00, And \$200.00 return of hall deposit.

September Monthly expenses of \$655.92, this included \$23.84 for meeting treats, and \$17.70 for equipment trailer plates, and Flea Esta startup cost of \$450 startup cash, \$134.38 Kitchen Supplies, and \$30.00 for Door prizes.

President's Report - Kevin, KA0VNY - No report

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Vice President's Report - Sean, ADOQG - Tonight's program will be "The tower collapse in Lincoln" by Dan NOPOT. Next month will be the Omaha Makers Group.

ARES/Disaster Preparedness/

ARES Steve NOUP - No service activity tomorrow which Pat will go into later, also, on October 26 there is the Nebraska state wide simulated emergency test, I have not received all the information yet but I will make more announcements on the Sunday evening nets and send out emails as more information becomes available. There are openings in the local ARES leadership, such as net manager, EOC responders, and EOC liaison that would be responsible for responding to the EOC. If you are interested in any of these positions let me know.

SATERN - Mary, NOTRK - Pat and I were at the EDS building last Saturday when the door closed, it was the acting EDS director and his wife. He announced that they had a working structure fire and the four of us went out and took care of refreshments for the firefighters, police and displaced residents. The fire displaced about one hundred residents of the apartment complex.

Community Service - Pat KOCTU- The floor was yielded to Mary, NOTRK for the report on the Market to Market Relay.

The Market to Market Relay will be held tomorrow. This is a relay race that used to run between Omaha's Old Market and Lincoln's Hay Market, hence its name. This is a relay race that has around six hundred teams competing, they have exchange points every three to five miles, the Aksarben ARC has radio

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(Community Service continued from page 3)

operators at the first nine exchanges, these operators will pass on information between the site and leadership about where the runners are, report any medical issues, and pass on other information as needed. If you are interested in assisting please see me after the meeting and those that have volunteered please see me after the meeting I have some releases that you need to sign, and I have some relay swag for each of you.

Education Committee - Rea NOREA- six or seven of the nine that I notice passed their test. One individual passed all three of the tests to get their Extra, they only missed four questions on all exams. I am thinking of also having a General License class, if you have any thoughts please see me.

Membership Committee - Mary, NOTRK - no report

Publications/Web Services Ham Hum - Brian, WEOBEP -

Web Services - Mary, NOTRK/Adam, KDOMMG - The website needs to be more updated. If you have anything club related that you would like to share, please let me know and I will get it up on the website.

Publications/Web Services

Ham Hum - Brian, WEOBEP - No Report.

Web Services - Mary, NOTRK/Adam, KDOMMG - The website needs to be more updated. If you have anything club related that you would like to share, please let me know and I will get it up on the website.

Field Day - Adam, KDOMMG - No report

QSL and Technical Committee - Eddy, K0IL - No report

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Trailer/Equipment Committee - Mary, NOTRK - We did sell some of the club equipment at Flea Esta.

Public Awareness - Jim, KA0KCV - No Report.

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

Flea-Esta - Chris - The club made 333.21 in net profit.

Old Business - No Old Business

New Business - No New Business

Announcements

John, WBOCMC and Pat, KOCTU are both in need of assistance to get antennas on their roofs. If you are able to assist, please get in contact with them.

Door Prizes - Door prizes are back. Tickets are one dollar each or six for five dollars. All tickets will be held for the big drawing in December, 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 7:33 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 **26 Nov 2019 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 | 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 | Mary Joseph * | NØTRK | 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 |

* NØTRK Mary is temporarily running Door Prizes, but only until Dec 2019. Looking for someone to run this for 2020.

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

- Nov 7** License Testing Lincoln ARC, 6:30 PM, 2701 N 48th St, Lincoln, NE (Also on Dec 5)
- Nov 8** AARC Meeting, 7:00 PM, Red Cross, 81st & Spring St, Omaha, NE
- Nov 9** License Testing Bellevue ARC, 1:00 PM 11111 S 84th St Papillion, NE (Midlands Hospital)
- Nov 13** Lincoln ARC meeting 7:30PM LI-COR (4647 Superior St, Lincoln, NE
- Nov 15** Heartland DX Association, 6:00 PM, Village Inn, 78th and Dodge, Omaha.
- Nov 16** AARC Coffee and Conversation, 10770 M St, Village Inn Omaha, 6:30 PM (Corner of 108th and L Streets)
- Nov 20** Heartland Hams Meeting, 7:00 PM, 403 Railroad Ave, Glenwood, IA
- Nov 21** Bellevue ARC Meeting 7:30 PM, 1908 Franklin St, Bellevue, NE
- Nov 26** License Testing Omaha ARC, 6:30 PM 2912 S 80th Ave, Omaha, NE
- Nov 28** SWIARC Meeting, 7:00 PM, 705 N 16th, Council Bluffs, IA
- Nov 28** PARC Meeting, 7:30 PM, 1900 E. Military Road, Fremont, NE
- Dec 13** AARC Meeting, 7:00 PM, Red Cross, 81st & Spring St, Omaha, NE

In a demonstration to members of Congress, May 24, 1844, Samuel Morse sent the first message over a telegraph line stretching 40 miles between Baltimore, MD and Washington DC. It consisted of just four words suggested to him by Annie Ellsworth, the daughter of the commissioner of patents: "WHAT HATH GOD WROUGHT"



S F B Morse 1840

Before electric telegraphy, most messages that traveled long distances were entrusted to messengers who memorized them or carried them in writing. These messages could be delivered no faster than the fastest horse.

Morse had been commissioned to paint a portrait of Lafayette in Washington DC in the year 1825;



while there, a horse messenger delivered a letter from his father with news that his

S F B Morse May 24, 1844

wife was recovering from an infectious illness. However, the next day he received a letter from his father stating that his wife had died.

Morse left Washington for his home at New Haven, CT leaving the portrait of Lafayette unfinished. By the time he arrived, his wife had already been buried. So upset that he was not even aware of his wife's illness and her passing, he made it his quest to explore a means of rapid long distance communication.

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In 1832, Samuel Morse was returning to the U.S. from Europe aboard a packet ship Sully, he was at the dinner table conversing with a gentleman, Dr. Charles Thomas Jackson of Boston, an American physician and scientist who was active in medicine, chemistry, mineralogy, and geology. Dr. Jackson was also well schooled in electromagnetism. Morse, witnessing various experiments with Jackson's electromagnet, developed the concept of a single-wire telegraph. Morse set aside his painting career and submitted his patent application of the original Morse Telegraph. In time the Morse code, which he developed, would become the primary language of telegraphy in the world.

Morse encountered the problem of getting a telegraphic signal to carry over more than a few hundred yards of wire. Enter Professor Gale, who taught chemistry at New York University. Together they solved the distance problem by adding extra circuits called relays at frequent intervals allowing messages to be sent at a distance of up to ten miles. Soon, they were joined by a man with skills, insights, and more



Leonard Gale

importantly money, Alfred Vail. However, more funding was needed. Morse travel to Washington D.C. In 1838 seeking federal funding for a telegraph line but was not successful. It was not until he gained financial backing by Maine congressman Francis Smith. On his final trip to Washington in 1842, he set up wires between two committee rooms at the U.S. Capital, and sent messages back and forth to demonstrate his telegraph system. Congress appropriated \$30,000.00 in 1843 for construction of an experimental 38 mile telegraph line between Washington D.C. , and Baltimore along the B&O Railroad.

On May 24, 1844, the line was officially opened and Morse sent the now-famous words "What hath God wrought."

The October Door Prizes were a Wireless Thermometer won by Mitch-W0JG, An ICOM water bottle won by Wayne-WH6BUL. A bag of Assorted Colors, pure Nylon Cable Ties picked up by Brian-WE0BEP.

A DX Engineering Coffee Mug went to Jim-W0JRN

A Dual Band Antenna with Mag mount for mobile use won by Jon-KE0DVL

Pictured to the left is Jon-KE0DVL, who also won the “Brown Bag” prize, which was a set of 50 Extra Large brown Lunch Bags.



Then there was the Mr. Reeh Prize. This was picked up by Jim-W0JRN, a Sony Cassette Player

The Prizes were provided from the prize committee temporary run by Mary-N0TRK in the absence of Adam KD-MMG. We are looking for a Prize Committee person to take over this task for the calendar year 2020. Anyone interested in this position please setup and announce your interest to the board members during the November/December meeting.



2019 Northeast Nebraska Hamfest

Norfolk, NE

November 16, 2019 8:30 AM—2:00 PM

Location: CHC Hall (aka KC Hall)

Contact: Fred Wiebelhaus, K0FJW,

fwiebelhaus@cableone.net 402-992-7653

Vendor — D&L Antenna

License Testing at 9:00 AM

Class: 11:00 AM: Digital Modes and Hotspot Programming

“Announcement from the Nominating Committee “

This week at the board meeting the Nominating Committee for the solicitation of members to run for the open positions on the board for 2020. The members of the committee consist of Bill WA0ASD, Brian KE0GKB and Sean AD0QG.

We will elect 2 board members, the Vice President and the President during the Annual Meeting in December. If you would like to run for any of these offices or if you know of someone who should run for these offices please contact any member of the Nominating Committee or any current Board Member.

We will solicit candidates at the November club meeting also.