

FLEA-ESTA

AARC Flea Market

8:00 AM to Noon, September 7, 2013

Sarpy County Fairgrounds, Springfield, Nebraska

8' Tables : \$8 each if paid in advance . \$10 each if paid at the door .

Table Reservation form at the AARC web site, <http://www.aksarbenarc.org/>

Breakfast and Lunch will be available on site.

Volunteers needed to help set up, run, and take down the event.

For details, contact Pat Joseph KØCTU, email: ppjoseph@cox.net

Ham Hum

Volume LXIII, Issue 7

July 2013

Antenna Launcher



Pat KØCTU and his Pneumatic Antenna Deployment System. (May 2013 photo)

The challenge of getting an antenna up in the air has been met and surpassed by Pat, KØCTU's efforts to build a device for getting a rope up in a tree. While Pat is certainly tall enough to reach many of the high branches of trees, his need for higher antennas exceeds even his reach.

Early efforts included sling shots, casting rods and bow and arrow type devices—all of which leave something to be desired for accuracy and range.

Welcome the Antenna Cannon, a compressed air tennis ball launcher with truly amazing power. Pat's survey of the

commercially available products included kits of parts through the www.spudtech.com Thumper for \$2500 and the ultimate straight line device with scope mounts for \$3500 (potatos, er...tennis balls are extra from www.antennalaunchers.com).

After Pat took us through his trials of collecting all of the parts, both locally and online, he handed out a parts list and provided a very thorough presentation on the assembly of the cannon as well as the pitfalls of construction.

He then related some of his early trials while denting garbage cans and risking damaged cars in nearby parking lots. While some of his projectiles will never be seen again, he has developed a very reliable method for quickly and accurately getting a line to support an antenna exactly where he wants it without strangling branches with lost lines and weights.

Thanks Pat for a very entertaining program.

Bill WA9ASD

Flea Markets! See page 12.

July Meeting: Cryptography

Adam KDØMMG will give a presentation on the techniques used on the Internet to keep people's data secure. See *Veep Speaks* on page 3 for details. Don't miss it. Friday, July 12th, 7:00 PM, Red Cross Building, 81st & Spring Streets, Omaha, NE.

PIONEER AMATEUR RADIO CLUB'S 16TH ANNUAL FLEA MARKET SATURDAY, JULY 20, 2013

9:00 A.M. - 12:30 P.M.

ST. CHARLES PARISH CENTER

8th & LOCUST ST., NORTH BEND, NE.



VE TESTING 10:00 A.M.

PRIZE DRAWINGS EVERY HALF HOUR

DOOR PRIZE DRAWING AT 12:00 P.M.

ADMISSION: \$2.00 DONATION AT THE DOOR

Free Coffee & Tea VENDOR SET UP AT 7:30 A.M. Free Coffee & Tea

FOOD BY DARLENE'S DINER (NØLOP)

TALK IN ON THE 146.67/07 KDØEFC REPEATER

A 8 FOOT SPACE IS \$5.00 IN ADVANCE OR \$7.00 AT THE DOOR

PLEASE SEND OR E-MAIL YOUR REGISTRATIONS TO:

RICH MEHAFFEY KBØARZ 230 W. 11th Street

NORTH BEND, NE. 68649-5007 PH. 402-652-3410

E-MAIL: 4randjme@futuretk.com

----- cut here ----- cut here ----- cut here -----
NUMBER OF 8 FOOT SPACES REQUESTED _____



FULL NAME _____ CALL SIGN _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE _____ E-MAIL _____

VENDORS ARE NOT CHARGED ADMISSION TO THE EVENT BUT ARE ELIGIBLE FOR THE DRAWINGS

Visit our web page: <http://www.k0jfn.com>

HAM HUM is the official newsletter of the AK-SAR-BEN Amateur Radio Club, Inc. in Omaha, Nebraska. It is printed monthly and is distributed to members of the club, local disaster officials, local electronics outlets, and editors of other ham radio newsletters.

Articles about activities of members are solicited. The subject matter must be of general interest to radio amateurs and be understandable to a significant portion of the membership. No payment will be made to contributors and submissions will be subject to the usual editorial review. Articles containing statements that could be construed as libel or slander will not be accepted. No guarantee can be made that an accepted article will be published by a certain date. Send your contributions to Ham Hum, P.O. Box 24551, Omaha, NE 68124-0551 or email hamhum@aksarbenarc.org. Please contact the editor for permission to reprint anything appearing in the Ham Hum.

Club Officers & Board Members

President	Tomas Hood	NW7US	402-915-1771	nw7us@nw7us.us
Vice President	Adam Kavan	KDØMMG	402-598-1521	akavan@gmail.com
2013-2014 Secretary	Bill True	WA9ASD	402-426-2813	williamtrue@aol.com
2013-2014 Treasurer	Dave Rice	NØJSB	402-571-8915	davegr@netzero.net
2013 2014 Director	Mitch Saure	WBØGBI	402-455-6205	skyking195@aol.com
2013 Director	Barb Westcott	KCØHLB	402-510-0308	barbwestcott@cox.net
Immediate Past President	Mary Joseph	NØTRK	402-492-9156	n0trk@arrl.net

Club Committees

Courtesy Committee	Bill McCollum	KEØXQ	402-690-7965	ke0xq@cox.net
Education	Mary Joseph	NØTRK	402-492-9156	n0trk@arrl.net
Field Day	Rob Buchholz	AI7Q	402-964-9960	ai7q@arrl.net
Membership	Mary Joseph	NØTRK	402-492-9156	n0trk@arrl.net
Monday Night .94 Net	Rich Swig	WAØZQG	712-256-7774	wa0zqg@yahoo.com
Prizes	Rollie Miller	ABØNN	402-333-1606	ab0nn@arrl.net
Public Service/Emergency	Jim Harper	KCØSHZ	402-659-0102	kc0shz@yahoo.com
Publications	Bill Wilkinson	KCØSVZ	402-397-8803	kc0svz@gmail.com
QSL Manager & Technical	Ed Edwards	KØIL		k0il@arrl.net
Special Events Coordinator	Pat Joseph	KØCTU	402-492-9156	ppjoseph@cox.net
Web Services	Mary Joseph	NØTRK	402-492-9156	n0trk@arrl.net

Repeater Committee

Chairman	John Gebuhr	WBØCMC	402-932-3443	wb0cmc@cox.net
Vice Chairman	Steve Schmitz	NØUP	402-306-2972	n0up@arrl.net
Control Operator	Mary Joseph	NØTRK	402-492-9156	n0trk@arrl.net
Club Callsign Trustee	Corby Krick	KØSKW	402-540-5483	k0skw@k0skw.net

Other Contacts

ARRL Midwest Director	Clifford Ahrens	KØCA	573-221-8618	k0ca@arrl.org
ARRL Midwest Vice-Director	Rod Blocksome	KØDAS	319-393-8022	k0das@arrl.org
EC Douglas County	Steve Schmitz	NØUP	402-306-2972	n0up@arrl.net
EC Sarpy County	Dennis Mitchell	KCØYKN		
Exams/Vol. Council	Brian Zdan	KMØY	402-553-2610	bzdan@novia.net
NE Section Manager	Art Zygielbaum	KØAIZ	402-421-0839	K0AIZ@arrl.org
Official Observer Coordinator	Bill McCollum	KEØXQ	402-690-7965	ke0xq@cox.net

Address Change?

If you've changed your mailing address, or would prefer to receive the *Ham Hum* via email, please contact Mary NØTRK (Membership) or Bill KCØSVZ (Publications) with your new information.

AARC on the Web

Club Web Site: <http://www.aksarbenarc.org/>

Facebook: <https://www.facebook.com/aksarbenarc>

Yahoo! Groups: <http://groups.yahoo.com/group/AKSARBENTalk/>

Club Calendar

Jul 10	7:30 PM LARC Meeting, 4647 Superior St., Lincoln, NE.
Jul 12	7:00 PM AARC Meeting, Red Cross Building, 81 st & Spring St, Omaha, NE.
Jul 13	11:00 AM HBQRP, Bredeaux Pizza, 1425 Silver St., Ashland, NE.
Jul 16	6:30 PM Technician Class, Red Cross Building, 81st & Spring St, Omaha NE.
Jul 17	7:00 PM Heartland Hams, 403 Railroad Ave., Glenwood, IA.
Jul 18	7:30 PM BARC Meeting, Masonic Hall, 1908 Franklin St, Bellevue, NE.
Jul 20	9:00 AM PARC Flea Market, St. Charles Parish, 8th & Locust St, North Bend NE.
Jul 20	6:00 PM AARC Coffee, Perkins Restaurant, 108 th & L Streets, Omaha, NE.
Jul 22	6:30 PM AARC Directors' Meeting, Village Inn, 78th & Dodge Streets, Omaha, NE.
Jul 23	6:30 PM Technician Class, Red Cross Building, 81st & Spring St, Omaha NE.
Jul 25	11:00 AM QCWA Meeting, Old Country Buffet, 14525 W. Center Rd., Omaha, NE.
Jul 25	7:30 PM PARC Meeting, 1900 E. Military Ave, Fremont, NE.
Jul 25	7:30 PM SWIARC Meeting, 705 N 16 th , Council Bluffs, IA.
Jul 30	6:30 PM AARC VE Session, Red Cross Building, 81st & Spring St, Omaha NE.
Aug 9	7:00 PM AARC Meeting, Red Cross Building, 81 st & Spring St, Omaha, NE.
Aug 10	1:00 PM BARC VE Session, 11111 S. 84th St., Papillion, NE.
Aug 14	7:30 PM LARC Meeting, 4647 Superior St., Lincoln, NE.
Aug 15	7:30 PM BARC Meeting, Masonic Hall, 1908 Franklin St, Bellevue, NE.
Aug 17	6:00 PM AARC Coffee, Perkins Restaurant, 108 th & L Streets, Omaha, NE.
Aug 21	7:00 PM Heartland Hams, 403 Railroad Ave., Glenwood, IA.
Aug 22	11:00 AM QCWA Meeting, Old Country Buffet, 14525 W. Center Rd., Omaha, NE.
Aug 22	7:30 PM PARC Meeting, 1900 E. Military Ave, Fremont, NE.
Aug 22	7:30 PM SWIARC Meeting, 705 N 16 th , Council Bluffs, IA.
Aug 26	6:30 PM AARC Directors' Meeting, Village Inn, 78th & Dodge Streets, Omaha, NE.
Sep 7	AARC Flea-esta, Sarpy County Fairgrounds, Springfield, NE.

For more details and the latest updates, see the *Calendar* section of the AARC web site (<http://www.aksarbenarc.org/>).

BOARD MEETING NOTICE

The next AARC Board Meeting is scheduled for July 22, 2013, 6:30 PM at the Village Inn on 78th and Dodge Streets. Unless noted otherwise, Board meetings take place at that time and location on the fourth Monday of the month. For any changes to this schedule, check for an announcement at the next Club meeting, or on the AARC web page at <http://www.aksarbenarc.org/>.



Richard A. d'Autremont, KBØKJV, Silent Key

Dick d'Autremont, KBØJKV, of Omaha, Nebraska, passed away on July 5, 2013. He was 81. He served honorably in the U.S. Air Force, worked for AT&T, ran his own business (Diversified Electronics), served as a Major in the Civil Air Patrol, and did disaster relief work for the American Red Cross.

Dick held a commercial General Radiotelephone Operator license (previously a Second Class Radiotelephone Operator license) and earned his Technician Plus amateur radio license in 2003. He was a long-time member of the Ak-Sar-Ben Amateur Radio Club and attended regular meetings along with other activities such as Field Day, Saturday Night Coffee, and various ham fests. His other interests included railroad history and genealogy.

Dick is survived by his wife Estella, four children, nine grandchildren, eight great-grandchildren, two brothers, and a host of other family members and friends.

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

7:00 PM 147.360 QCWA Hams who have been hams for at least 25 years.
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

8:00 PM 28.350 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.

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 3.896.000 3900 Club.
8:30 PM 443.925+ (103.5 tone) IRLP Net.
9:00 PM 146.940- Douglas Co. ARES net, KØUSA repeater.

(Thanks to Rich WAØZQG for bringing the Thursday 10-meter nets to our attention.)

Please let us know of any updates or corrections to the above.



Veep Speaks

Thank-you everyone who came out to Field Day this year. We had a great time with some great food, and some great radio. Our next big event is the Flea-esta in September. If it sounds like something you would like to be involved with, let us know.

For our program this month I am going to be talking about how cryptography works. I'll show you a public key crypto system, and a shared secret one, and talk about their strengths and weaknesses and how they are used in our modern lives. I'll try to make it interesting, if you have any specific questions, or anything in particular you would like me to cover please email me at veep@aksarbenarc.org. I hope to see you all there.

Adam KDØMMG, Vice President AARC

June Door Prizes

The Prize-Meister, Rollie, ABØNN presented just 2 door prizes this month. In a moment of weakness, the powers that be decided that after last month's debacle of multiple drawings of the same, already-winner, tickets, that more than one prize could be claimed by a multiple ticket buyer.

Adam, KDØMMG won the ARRL Repeater Directory and Don, WBØVGB was chosen to receive the antenna analyzer book.

In a twist of fate, Mitch, WBØGBI won both the Brown Bag Door Prize of a pair of cable cutters and the Mr. Reeh door prize—consisting of a vintage cassette car radio.

It is unknown if Anton ripped the radio out of the dash of his own vehicle or that it was left on his doorstep by some neighbor enraged when Anton espoused old technology. Some questions are better left unanswered.

Hopefully, cooler heads will prevail (and more people will buy tickets) so we don't have to go through the same winner of more than one prize again.

Buy Raffle Tickets!

Note that the proceeds for each month's tickets go for buying next month's prizes. Also, all tickets are kept and included in the Grand Prize drawing in December. The more tickets you buy, the better your chances of winning at the end of the year.

Bill WA9ASD

[Editor's Note: Many thanks to Bill WA9ASD for filling in for me on the June Door Prizes and the Antenna Launcher articles. It's been a busy summer. --Bill KCØSVZ]

You may be a ham radio operator if... The cops pull you over because they want to see the inside of your car.

Club Meeting Minutes – June 14, 2013

Bill WA9ASD, Secretary AARC

Note: At the start of the meeting there were only three board members present, so the meeting proceeded on an informal basis until the Secretary's Report when the fourth board member arrived.

The meeting was called to order at 7:07 PM by Adam, KDØMMG in the absence of Tomas, NW7US and with introductions by name and call followed by saying the Pledge of Allegiance. There were 22 attendees.

Officers and Board members present included: Mary, NØTRK; Bill, WA9ASD and Adam, KDØMMG.

Treasurer's Report – Dave, NØJSB - Dave had previously sent via e-mail a final May Treasurer's report which Adam read. There were deposits of \$96.38 from dues payments of \$40, equipment sales of \$40 for excess coax, extension cords, guy wires and yard darts, and \$16.38 from refreshments. There were payments totaling \$310.12 including \$16.82 for meeting refreshments, \$34.23 for Ham Hum supplies, \$147.92 for the N6KVA trailer remodeling, \$108.15 for books for the license class, and \$3 for bank fees. The balance of all accounts is \$21,709.46.

President's Report - Tomas, NW7US - not available.

Vice President's Report - Adam, KDØMMG - Adam reported that tonight's program will be by Pat, KØCTU on the antenna launcher he built.

ARES - Steve, NØUP - Steve was not present as he was running a weather spotter's net.

COMMUNITY EVENTS - Pat, KØCTU - Pat reported that the State Track Meet went well with 18 volunteers participating.

SATERN - Jim KCØSHZ - not present

OMMRS - Mary, NØTRK - no updates

Education Committee - Mary, NØTRK - The Technician License Class has 10 attendees.

Membership Committee - Mary, NØTRK - Pay your dues.

Ham Hum - Bill, KCØSVZ - not present - *Ham Hum* is out.

Web Site - Mary, NØTRK - It's there.

Repeater Committee - John, WBØCMC - It's working.

Field Day - Rob, AI7Q - not available - It's coming up.

At 7:13 PM Mitch, WBØGBI arrived providing a quorum.

(Meeting Minutes continued on page 5.)

Contest Calendar

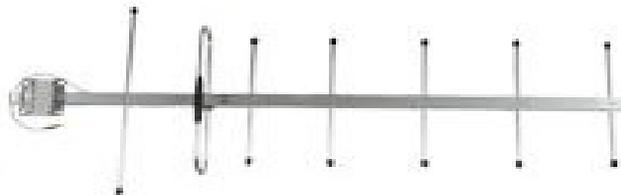
July 2013

NAQCC-EU Monthly Sprint	1800Z-2000Z, Jul 10
RSGB 80m Club Championship, SSB	1900Z-2030Z, Jul 10
QRP Fox Hunt	0100Z-0230Z, Jul 12
FISTS Summer Sprint	0000Z-0400Z, Jul 13
SKCC Weekend Sprintathon	1200Z, Jul 13 to 2400Z, Jul 14
IARU HF World Championship	1200Z, Jul 13 to 1200Z, Jul 14
CQC Great Colorado Gold Rush	2000Z-2159Z, Jul 14
NAQCC Straight Key/Bug Sprint	0030Z-0230Z, Jul 18
RSGB 80m Club Championship, Data	1900Z-2030Z, Jul 18
QRP Fox Hunt	0100Z-0230Z, Jul 19
Russian Radio Team Championship	0700Z-1459Z, Jul 20
VK/Trans-Tasman Contest, Multi-Mode	0800Z-1400Z, Jul 20
DMC RTTY Contest	1200Z, Jul 20 to 1200Z, Jul 21
Feld Hell Sprint	1600Z-1800Z, Jul 20
CQ Worldwide VHF Contest	1800Z, Jul 20 to 2100Z, Jul 21
North American QSO Party, RTTY	1800Z, Jul 20 to 0559Z, Jul 21
RSGB Low Power Contest	0900Z-1200Z and 1300Z-1600Z, Jul 21
Run for the Bacon QRP Contest	0100Z-0300Z, Jul 22
SKCC Sprint	0000Z-0200Z, Jul 24
QRP Fox Hunt	0100Z-0230Z, Jul 26
RSGB IOTA Contest	1200Z, Jul 27 to 1200Z, Jul 28
US Counties QSO Party	1400Z-2400Z, Jul 27 & 1400Z-2400Z, Jul 28
New Jersey QSO Party	1600Z, Jul 27 to 0400Z, Jul 28 & 1300Z-2000Z, Jul 28
ARS Flight of the Bumblebees	1700Z-2100Z, Jul 28

August 2013

QRP Fox Hunt	0100Z-0230Z, Aug 2
NCCC Sprint Ladder	0230Z-0300Z, Aug 2
European HF Championship	0000Z-2359Z, Aug 3
TARA Grid Dip Shindig	0000Z-2400Z, Aug 3
10-10 Int. Summer Contest, SSB	0001Z, Aug 3 to 2359Z, Aug 4
North American QSO Party, CW	1800Z, Aug 3 to 0559Z, Aug 4
ARRL August UHF Contest	1800Z, Aug 3 to 1800Z, Aug 4
RSGB RoPoCo CW	0700Z-0830Z, Aug 4
SARL HF Phone Contest	1300Z-1630Z, Aug 4
ARS Spartan Sprint	0100Z-0300Z, Aug 6
QRP Fox Hunt	0100Z-0230Z, Aug 9
NCCC Sprint Ladder	0230Z-0300Z, Aug 9
WAE DX Contest, CW	0000Z, Aug 10 to 2359Z, Aug 11
SKCC Weekend Sprintathon	1200Z, Aug 10 to 2400Z, Aug 11
Maryland-DC QSO Party	1600Z, Aug 10 to 2400Z, Aug 11

Sources: <http://www.hornucopia.com/contestcal/index.html> & <http://www.aksarbenarc.org>



Want Ads

Wanted: Linksys Router Did you upgrade your router? Still have your old one in the closet? I am looking for Wireless Linksys Router Models WRT54G (version 1 – 4), WRT54GS (version 1- 4), and WRT54GL (any version). If you aren't sure of the version, email me the first 4 characters of the serial number and I can tell you if I can use it. This is for a ham radio project. Willing to pay \$10 for complete and working units, Will still take them off your hands if they aren't working. Contact: Mary NØTRK at the next AARC meeting, or email n0trk@arrl.net

For Sale: SKYWARN Signs I have a pair of SKYWARN signs in good condition. I no longer do storm spotting due to personal reasons. I am asking \$15.00 and you arrange for pickup. Contact: Bill KEØXQ at ke0xq@cox.net, or 402-690-7965.

For Sale: Alinco DR570T Dual-Band Mobile Radio Unit has crossband repeat feature. It has 10 memories each for 2 meters and 70 centimeters. Also has tone functions. The backlight is burned out, however you can still see the display. Radio delivers 45w on 2m and 35w on 440. Price: \$75. Contact: Bill KEØXQ at ke0xq@cox.net, or 402-690-7965.

Wanted: Used Portable/Mobile HF Transceiver I am interested in a used portable or mobile HF transceiver such as an Alinco DX-SR8T, or an Alinco DX-70TH. If you have one of the above which you are looking to sell, or know of someone, please contact me via the AARC web site (<http://tinyurl.com/omegwoc>). Sean KDØQQZ.

For Sale: RF Concepts 2/70 Amplifier I have for sale an RF Concepts 2/70 Amplifier. This a way you can increase the power of your dual-band HT from 5 watts to 30 watts. Included is the power cord and amplifier. I can't find the owners manual. Simple to use: connect your HT to amplifier, the amplifier to your mobile antenna, and that is all. Asking \$65.00 Contact: Bill KEØXQ at ke0xq@cox.net, or 402-690-7965.

Wanted: HF Transceiver Would like to find a good starter rig along the lines of a Kenwood 520. Contact Dean via email through the AARC web page at <http://tinyurl.com/nkfspej>

Wanted: Android Software Testers Need volunteers to test a new Android app called *Ham Radio Exam*. This program lets you take sample Technician, General, or Extra exams. You can also choose to work through the questions from any subelement (topic), or all the questions (in order or shuffled) in an exam. Wrong answers are added to a "needs work" list, but you can also add or remove any question from the list. At the end of the test, you have a chance to save the "needs work" list to a file, which can then be restored to work on later. Contact: Claudia K1AUD. E-mail: k1aud@cox.net

FREE BOOKS! I have two ARRL Operating Manuals, 8th and 9th editions, 2012/2013 ARRL Repeater Directory (Small) and 2011/2012 ARRL Repeater Directory (Desktop and Small editions). Yes, these are FREE for the taking. This is such a great deal, you have to arrange pickup from me. There is no delivering these items to you. Why would you expect this for FREE items? Contact: Bill KEØXQ at ke0xq@cox.net, or 402-690-7965.

(Meeting Minutes continued from page 4.)

Secretary's Report - Bill, WA9ASD - The minutes of the May meeting were published in *Ham Hum*. A motion was made by Mary, NØTRK, seconded by Ralph, WØSMY and Claudia, K1AUD, to accept the May club meeting minutes as published in *Ham Hum*. There were no corrections required and the motion passed unanimously.

Courtesy Committee - KEØXQ - not present

- As reported in *Ham Hum*, long time very active club member Jim Peterson, KFØFO passed away on May 24, 2013
- Marianne Mitchell, KCØZAS, xyl of Dennis Mitchell, KCØYKN passed away on May 7, 2013.
- Ron Juneman, NØUCM also passed away last month.

Trailer/Equipment Committee - Mary, NØTRK - One of the Icom HTs made available by the club to new hams is loaned out to a recent class attendee, new licensee and new club member Sean Moppin, KDØRMX.

Public Awareness - Pat, KØCTU reported that our next event is in September with the Omaha Marathon. Also, anyone who knows of an upcoming event for which the club could provide communications get the details and bring the information to a club meeting or contact Pat to arrange for volunteers.

QSL and Technical Committee - Eddy, KØIL - no report

Flea-Esta - Pat, KØCTU - Some tables have been sold already. The Flea-Esta is an ARRL registered event. We have rented the original building and the building next to it for the day.

Old Business - Mary, NØTRK reported that the Red Cross Tower Grounding Project has been resurrected with efforts proceeding on arranging the timing.

New Business - none

Announcements - Claudia, K1AUD requested to hear from people who would like to test her Android app for license tests.

- Mary, NØTRK reported that the monthly Saturday night dinner will be tomorrow at the Perkins at 108th and L streets at about 6 PM.
- Rollie, ABØNN announced that the door prizes for tonight's meeting include an ARRL Repeater Directory and a book on the use of antenna analyzers. In addition the Brown Bag Door Prize and the dreaded Mr. Reeh Door Prize were also available. Get your tickets during the break and all tickets purchased are saved and are eligible for prizes at the December meeting. Ticket purchases fund the monthly prizes and the annual door prizes at the December meeting.

At 7:29 PM a motion was made by John, WBØCMC, seconded by Mary, NØTRK to end the meeting. Passed unanimously.

Bill WA9ASD, Secretary AARC

