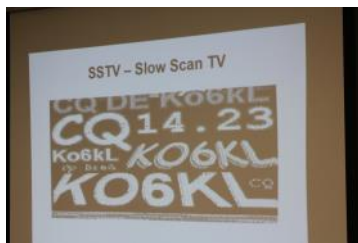


# Ham Hum

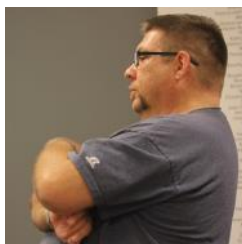
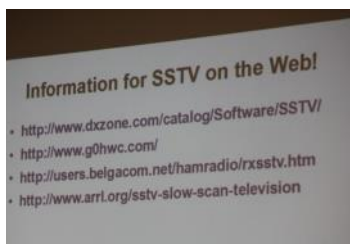
November 2015 Volume LXV, Issue 11

## Slow Scan TV Presentation by Mark NOVUB



The October AARC Presentation was on Slow Scan TV. Mark, a Ham Radio Operator for over 22 years, explained about transmitting pictures on a narrow voice channel. A bit of history, the SSTV concept was introduced by Copthorne Macdonald in 1957-58. Used by NASA in the

60's to transmit some pictures during the Apollo 11 mission. Mark displayed some images on one of the software applications used and answered questions for those who used SSTV in the past. For those that are interested in SSTV, see the picture below that lists a number of URLs on this topic.



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### NOVEMBER MEETING:

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The next meeting will be held on *Friday, Nov 13, 7:00 PM, Red Cross Bldg., 81st & Spring Streets, Omaha, NE.*

*Not confirmed yet, however, talking with Peter (RDM) to provide updates on the opening of Freedom Park.*

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## **AKSARBEN ARC Club Meeting - October 9, 2015**

The meeting was called to order at 7:07 PM by the Vice President Mitch, WBOGBI by saying the Pledge of Allegiance followed by introductions by name and call. There were 29 attendees.

Officers and Board members present included: Mitch, WBOGBI; Dave, N0JSB; Bill, WA9ASD and Barb, KC0HLB.

**Secretary's Report** - Bill, WA9ASD - Dan, N0POT requested a correction to the minutes as published in Ham Hum to his name to Dan under new business. Jim, KA0KCV then made a motion to accept the minutes with the correction, seconded by Norm, WA0JYD. There was no discussion and the motion passed.

**Treasurer's Report** - Dave, N0JSB - In the month of September there were deposits of \$13 for meeting refreshments, membership dues of \$20, equipment sales at Flea-Esta of \$20, Flea-Esta revenue of \$1,981.06, a deposit from savings of \$500, a payment from Amazon Smile for \$7.14 and a return of a canceled check of \$45 (wrong amount) for a total of \$2,586.20. Payments consisted of \$19.23 for meeting refreshments, Flea-Esta expenses of \$681.28, \$53.48 for Ham Hum supplies, Club Picnic supplies of \$127.22 and a \$3 bank fee for a total of \$864.21. This leaves the balance of all the club accounts at \$21,197.51.

**President's Report** - Adam, KD0MMG - not present

**Vice President's Report** - Mitch, WBOGBI - Tonight's program is on SSTV presented by Mark, N0VUB.

**Public Service** - Jim, KA0KCV - The county has agreed to allow us to store the antenna trailer at 156th and Maple in the employee parking lot east of the 911 center. We need to have a sign on the trailer saying who it belongs to and contact information.

### **ARES/SATERN/COMMUNITY EVENTS**

**ARES/OMMRS** - Steve, N0UP/Mary, N0TRK - There will be a 'table top' exercise on October 20 at the Salvation Army building at 10629 Burt street at 6:30 PM. Bring an HT programmed for 146.55, 146.58 and 147.555. There will be more information provided on the Sunday night net.

**SATERN** - Jim, KC0SHZ/Jim. KA0KCV - no report

(Continued on page 4)

# ***Saturday Night Coffee and Conversation***

**Brian KD0SVD**

The AARC Coffee get together is held at the Village Inn restaurant at the southeast corner of 108th and L Streets in Omaha on the third Saturday of the month starting at 6:30 PM. Everyone is invited.

This past get together was Brian KD0SVD, Bill KC0SVZ, Pat K0CTU, and Mary N0TRK. The topic of discussion was working the National Parks On The Air Event. In 2016, the NPS will celebrate its 100th anniversary, and radio amateurs will be able to help mark the occasion beginning at 0000 UTC on January 1, 2016. See <https://npota.arrl.org>.



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This Horse happened to walk through an open door of a Bar near Blair NE. The Bartender alarmed, said “HEY !”  
The horse replied, I’d like some of that.

## **Community Events -**

**Corporate Cup Run** - Pat K0CTU - The Corporate Cup Run went well with 12 club members participating and there were lots of runners and congestion. The 2016 event will be September 18th.

**Market-To-Market Relay** - Mary, N0TRK - We need 2 people at each location; there will be about 4,500 runners.

**Education Committee** - Mary, N0TRK - There has been interest expressed for a school (elementary/high school?) license class.

**Bill, WA9ASD** announced that the general Class Study Group was somewhat of a success with 2 of the 3 students taking the test and one passing. There will probably be another General Class study group beginning after the first of the year.

**Dan, N0POT** announced that he will be running a Code Beginner's Class that runs for 12 weeks. The goal of the class is to cover letters, numbers, punctuation and pro-signs for the students to be able to receive Morse code at 13 words per minute and send at 5 words per minute. The class will take 12 weeks and cost \$10 per student. There need to be 12 students to sign up with a maximum of 14. It will probably meet on Saturday afternoons starting after the first of the year. Interested people should send an e-mail to n0pot@juneau.com to register.

## **Publications/Web Services**

**Ham Hum** - Brian, KD0SVD - Brian is attempting to move the distribution earlier.

**Web Services** - Mary, N0TRK/Adam, KD0MMG - The web site is up and submissions of content are always welcome.

**Membership Committee** - Mary, N0TRK - "Pay your dues early and often."

We have a new member application from Michael Durkin, KD0DXX. There was a motion by John, WB0CMC, seconded by Norm, WA0JYD to accept the new member application. There was no discussion and the motion passed.

**Repeater Committee** - John, WB0CMC - "It's workin' and there appears to be less noise."

**Field Day** - Adam, KD0MMG and Fred KB0LF - No report, 'It's still over'.

**QSL and Technical Committee** - Eddy, K0IL - no report .

**Courtesy Committee** - Bill, KE0XQ - Bill, KE0XQ is in the hospital with a serious illness. He has been moved out of the Intensive Care Unit and is scheduled for a surgery. Please contact his wife or daughter before calling or visiting him. It was suggested that when Bill recovers we ask him to send himself a 'get well' card. (Note, on behalf of the club, Bill, WA9ASD sent KE0XQ a get well card.).

**Trailer/Equipment Committee** - Mary, N0TRK - It appears we have a spot for parking the club's antenna trailer.

**Public Awareness** - Pat, K0CTU - The club had a presence at the Maker's Fair recently with a demonstration of Pat's bicycle generator and a hand generator.

**Transmitter Hunt** - There was no official transmitter hunt last month although the transmitter was inadvertently turned-on in the trunk of Bill, WA9ASD's car during the picnic. Several people located his car. There will be a real hunt on Sunday, October 11 starting at 3 PM from Memorial Park. Bill WA9ASD will intentionally turn on the transmitter this time.

**Flea-Esta** - Chris, N0CALL - We had good attendance with either 274 or 284 paid admissions (my notes had QRM). Our net profit was \$179.13. There was plenty of good food.

**Old Business** - A number of new members have not picked up their name tags. They will soon be auctioned off.

**New Business** - none

#### **Announcements** -

John, WB0CMC announced that as a Larsen Antenna distributor he still has a couple of dual band VHF/UHF mobile antennas available for \$100 each.

Mary, N0TRK announced that for the first time since the flood of 2011 Freedom Park and the USS Hazard will be open to the public for tours. The hours are 10 AM until 3 PM Saturdays and Sundays for October. Donations are accepted.

Bill, WA9ASD announced that for those club members who do not have access to the club's web site he has a limited number of printed versions of the club Bylaws available.

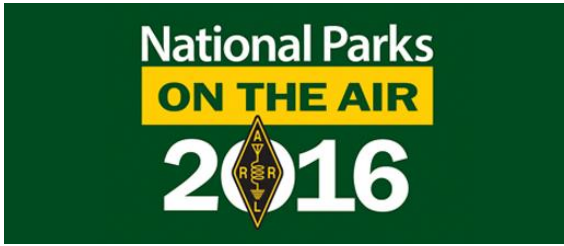
Rollie, AB0NN said, "Door prizes, we got em.". All tickets are retained until the December meeting for the big drawing.

Coffee and cookies are available in the break room before the program. Please donate to help offset the cost of these treats.

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

At 7:42 PM a motion was made by John, WB0CMC to end the meeting. So moved.

Bill WA9ASD, Secretary AARC



Throughout 2016, Amateur Radio will be helping the National Park Service celebrate their 100th anniversary. Hams from across the country will activate NPS units, promote the National Park Service and showcase Amateur Radio to the public.

This will be a Topic of Discussion at the November General Membership Meeting, on Friday the 13th. This event is like a year long Field Day event starting on 1 Jan 2016.

Setting up a station is Not just limited to a National Park. It includes Battlefields, Military Parks, Historical Sites and Parks, Memorials, Monuments, certain Rivers, and the list goes on. The total National Park Service Units is 408, with another 25 NPS official Affiliated Areas.

Not yet verified, but the Lewis and Clark National Historic Trail Headquarters and Visitor Center on Riverfront Drive in Omaha may qualify as a setup site. I shall attempt to verify this prior to 13 Nov 2015

Brian KD0SVD

## Club Officers & Board Members

President	Adam Kavan	KDØMMG	president@aksarbenarc.org
Vice President	Mitch Saure	WBØGBI	vicepresident@aksarbenarc.org
2014 Secretary	Bill True	WA9ASD	secretary@aksarbenarc.org
2014 Treasurer	Dave Rice	NØJSB	treasurer@aksarbenarc.org
2014-2016 Director	Russ Rosenquist	NØMNW	board@aksarbenarc.org
2014-2016 Director	Barb Westcott	KCØHLB	board@aksarbenarc.org

## Club Committees

Immediate Past President	Corby Krick	KØSKW	board@aksarbenarc.org
Courtesy Committee	Bill McCollum	KEØXQ	courtesy@aksarbenarc.org
Education	Adam Kavan	KDØMMG	education@aksarbenarc.org
Field Day			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	Rollie Miller	ABØNN	prizes@aksarbenarc.org
Public Service/Emergency	Jim Westcott	KAØKCV	pr@aksarbenarc.org
Publications	Brian Pitchanau	KDØSVD	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-Director	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 Coordinator	Bill McCollum	KEØXQ	oo_coordinator@aksarbenarc.org

# EQUIPMENT ADS

**Icom IC 3200 dual band mobile.** Recent bench check:

2M 25 W high, 2.5 W low, 80 Hz high in freq after warm up, .15 uV RX sens.

440 23 W high, 1.8 W low, 190 Hz high after warm up, .1 uV sens.

Has touch-tone mic, programmable PL encoder and service manual.

Missing mobile mount. Also, a 13.8V 5A regulated power supply. Works good.

Contact John WBOCMC@cox.net 402-932-3443.

## **HF Amplifier - Legal Limit - 80, 40, 20, 15, 10 meters.**

Finest components in a superb home-brew amplifier. Built right from the Eimac/W6SAI design. Requires a 3-1000Z tube. Power supply is disassembled consisting of motorized variac for setting HV, broadcast quality plate transformer, diode stack, swinging choke, and filter capacitors. Includes metering panel for setting and monitoring line voltage and plate voltage, line circuit breaker, etc.

RF Deck is stand-alone with vacuum variable w/ turns counter, air variable, B & W tank circuit coupled to band specific input matching circuits, meters for plate current, drive level and directional coupler and Dow-Key transfer relay. 30"H x 29"D x 21"W See Pictures at: <http://www.aksarbenarc.org> \$700 or best offer.— We deliver. Contact: [equipment@aksarbenarc.org](mailto:equipment@aksarbenarc.org)

## **HF Dummy Load**

You don't have a transmitter that will exceed this load's rating. Unit consists of 12 X 600 Ohm 375 non-inductive resistors in parallel with UHF connector. Not enclosed. 4,500 watts continuous rating. 21"L x 6 1/2" D See pictures at:

<http://www.aksarbenarc.org>.

\$225 or best offer contact: [equipment@aksarbenarc.org](mailto:equipment@aksarbenarc.org)



## **EQUIPMENT ADS**

**(Continued)**

### **Non-Inductive Resistors**

600 Ohm, 375 watts continuous. 1" X 18" ceramic. Good for high power rhombic or Beverage antenna termination. Six available. See picture at:

<http://www.aksarbenarc.org>.

\$20 each Contact: [equipment@aksarbenarc.org](mailto:equipment@aksarbenarc.org).

### **Low Speed 120VAC Reversible Motor**

Operates at 11 or 23 RPM in either direction. 1/4" output shaft. Simple to wire up. Includes capacitor for controlling direction. Great for a roller inductor or air variable in a remote tuner. Four available. See picture at:

<http://www.aksarbenarc.org>.

\$25 each Contact: [equipment@aksarbenarc.org](mailto:equipment@aksarbenarc.org)

### **Samsung CLP-510 - Two Printers for the Price of One**

Industrial strength color laser printer. One works good the other burned-up its line cord - unknown problem. Includes documentation, ink cartridges, ink cartridge refill tools and instructions.

\$65 for both or best offer. Contact [equipment@aksarbenarc.org](mailto:equipment@aksarbenarc.org)

### **Complete HF Setup**

Kenwood TS-870S AT (with DSP) HF Amateur band transceiver in excellent condition with the original manual, matching PS-52 Power Supply, SP-31 speaker, and MC-80 desk mic. A great looking and performing radio photos available at:

<http://www.aksarbenarc.org> or email [equipment@aksarbenarc.org](mailto:equipment@aksarbenarc.org) for details

# 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 Net, Chapter 210 (seasonal, October through March).
- 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 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

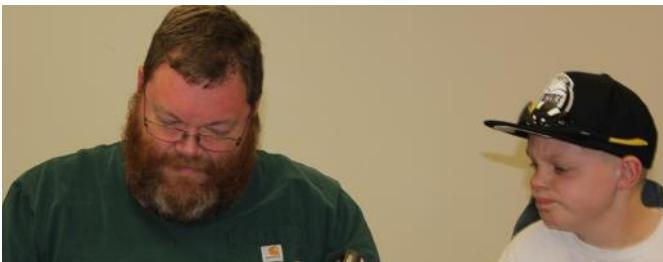
- 12:00 PM 146.82 Swap Net Council Bluffs, IA.
- 8:30 PM 3.921.000 QCWA Chapter 20.

## Sunday

- 8:00 AM 3.902.500 Swap Net.
- 8:30 AM 3.896.500 3900 Club.
- 8:30 PM 443.925+ (103.5 tone) IRLP Net.
- 9:00 PM 146.940- Douglas Co. ARES net, KØUSA repeater.

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

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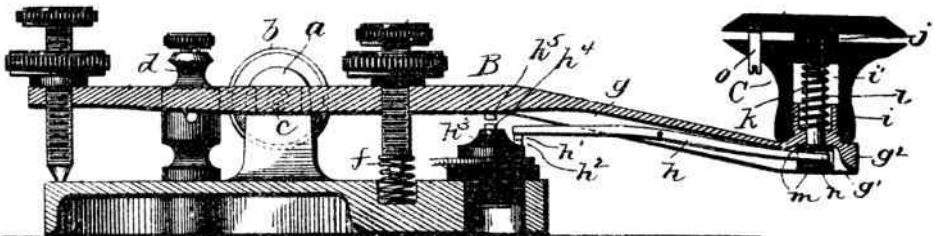
# Calendar

- Nov 13 7:00 PM AARC Meeting Red Cross Building, 81st & Spring St, Omaha, NE  
Nov 14 License Testing — Bellevue ARC. 11111 S 84th St, Papillion, NE This is inside The Midlands Hospital.  
Nov 15 AARC Rabbit Hunt—  
Nov 17 OMMRS Training 6:30—8:30 PM  
Nov 18 Heartland Hams meeting 7:00—9:00PM 403 RR Ave. Glenwood, IA  
Nov 19 Bellevue ARC Meeting 7:30—9:00 PM 1908 Franklin St, Bellevue, NE  
Nov 21 AARC Coffee & Conversation, Village Inn, 108th and L St, Omaha, NE  
Nov 24 License Testing—2912 So 80th Ave Omaha, Heartland Chapter of the American Red Cross — Walk-ins are welcome 6:30 PM Sharp Don't be Late.  
Nov 26 PARC Meeting 7:30—9:00 PM, 1900 E. Military Ave, Fremont, NE  
Nov 26 SWIARC Meeting 7:30—9:00 PM, Loss Hills Chapter Red Cross, 705 N 16th St, Council Bluffs, IA  
Dec 3 License Testing—Lincoln ARC , The Northside Café, 2701 N 48th St, Lincoln

For more details and the latest updates, see the *Calendar* section of the AARC web site (<http://www.aksarbenarc.org/>). If you know of an event of interest to other hams and want to see it here, please contact the *Ham Hum* editor or one an AARC officers.

## LEARN or REFRESH Your Knowledge of MORSE CODE

Dan, **NO POT** will be looking for students as well as any volunteers wanting to assist in providing an atmosphere to those interested. Interested people should send an e-mail to [n0pot@juneau.com](mailto:n0pot@juneau.com) for further details.



## Contest Calendar

For more details on contests visit: [www.hornucopia.com/contestcal/contestcal.html](http://www.hornucopia.com/contestcal/contestcal.html)

Makrothen RTTY Contest	0000Z-0759Z, Oct 10 and 1600Z-2359Z, Oct 10 and 0800Z-1559Z, Oct 11
10-10 Int. 10-10 Day Sprint	0001Z-2359Z, Oct 10
Microwave Fall Sprint	0700 local - 1400 local, Oct 10
Oceania DX Contest, CW	0800Z, Oct 10 to 0800Z, Oct 11
KCC Weekend Sprintathon	1200Z, Oct 10 to 2400Z, Oct 11
QRP ARCI Fall QSO Party	1200Z, Oct 10 to 2359Z, Oct 11
Scandinavian Activity Contest, SSB	1200Z, Oct 10 to 1200Z, Oct 11
Arizona QSO Party	1600Z, Oct 10 to 0600Z, Oct 11 and 1400Z-2359Z, Oct 11
Pennsylvania QSO Party	1600Z, Oct 10 to 0500Z, Oct 11 and 1300Z-2200Z, Oct 11
FISTS Fall Unlimited Sprint	1700Z-2100Z, Oct 10
PODXS 070 Club 160m Great Pumpkin Sprint	2000 local, Oct 10 to 0200 local, Oct 11
UBA ON Contest, CW	0600Z-0900Z, Oct 11
NAQCC CW Sprint	0030Z-0230Z, Oct 14
Phone Fray	0230Z-0300Z, Oct 14
CWops Mini-CWT Test	1300Z-1400Z, Oct 14 and 1900Z-2000Z, Oct 14 and 0300Z-0400Z, Oct 15

RSGB 80m Club Sprint, CW	1900Z-2000Z, Oct 14
NCCC RTTY Sprint	0145Z-0215Z, Oct 16
NCCC Sprint	0230Z-0300Z, Oct 16
JARTS WW RTTY Contest	0000Z, Oct 17 to 2400Z, Oct 18
10-10 Int. Fall Contest, CW	0001Z, Oct 17 to 2359Z, Oct 18
Iowa QSO Party	1400Z-2300Z, Oct 17
New York QSO Party	1400Z, Oct 17 to 0200Z, Oct 18
Worked All Germany Contest	1500Z, Oct 17 to 1459Z, Oct 18
Stew Perry Topband Challenge	1500Z, Oct 17 to 1500Z, Oct 18
Telephone Pioneers QSO Party	1700Z-2100Z, Oct 17 (CW/ Digital) and 2300Z, Oct 17 to 0300Z, Oct 18 (Phone) and 1700Z-2100Z, Oct 18 (Phone) and 2300Z, Oct 18 to 0300Z, Oct 19 (CW/Digital)
South Dakota QSO Party	1800Z, Oct 17 to 1800Z, Oct 18
Feld Hell Sprint	2000Z-2159Z, Oct 17
Asia-Pacific Fall Sprint, CW	0000Z-0200Z, Oct 18
UBA ON Contest, 2m	0600Z-1000Z, Oct 18
Illinois QSO Party	1700Z, Oct 18 to 0100Z, Oct 19
Run for the Bacon QRP Contest	0100Z-0300Z, Oct 19
ARRL School Club Roundup	1300Z, Oct 19 to 2359Z, Oct 23
Phone Fray	0230Z-0300Z, Oct 21
CWops Mini-CWT Test	1300Z-1400Z, Oct 21 and 1900Z-2000Z, Oct 21 and 0300Z-0400Z, Oct 22

# October Door Prizes

The Door Prizes drawn for October were won by:

**Steve NOUP**, a package of Cleaning Cloths and a pack of Cable Ties.

**Robert ADOQH**, a Sling Shot for setting up antennas.

**James WBOBIK**, a pair of Work Gloves.

**Julianna NOWAV**, a Receptacle Tester as well as a set of Wire Brushes.

**Thomas KEOQL**, a box of Wire Connectors.

**Mitch WBOGBI**, a Shop Light

The Mister Reeh prize was won by **Roger KEOFJM**. A 1990 Call Book.

The Brown Bag was won by **Dan NOPOT**. A brand new Cable Cutter.



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## *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 Brian KDØSVD (Publications) with your new information.

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

# AARC Officer Nominations

We have once again reached the time of year for Club Officer nominations. This includes President, Vice-President, and Directors. Please consider volunteering for one of these positions.

**President:** \_\_\_\_\_

**Vice-President:** \_\_\_\_\_

**Director:** \_\_\_\_\_

**Director:** \_\_\_\_\_

**Director:** \_\_\_\_\_

**Director:** \_\_\_\_\_

Assess your dedication, position, and ability to accept a floor nomination. Help continue to keep AARC an ongoing strong organization. Realistically, it takes only a couple hours each month. If you are interested or willing to take a position please contact one of the current Club officers to discuss the details. Please consider helping.

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## AK-SAR-BEN ARC PROXY

This form is used to have your vote represented by a member attending the annual business meeting in the event you are unable to attend. If you cannot attend, decide on whom or what you wish to vote and instruct the recipient of your proxy to do so.

Known by all men by these presents, that the undersigned hereby constitutes and appoints \_\_\_\_\_ as attorney and proxy to appear and cast the votes which the undersigned, as a member of the AK-SAR-BEN Amateur Radio Club, Inc., is entitled to cast at the annual meeting of said corporation, to be held at the Heartland Chapter House of the American Red Cross, 2912 South 80<sup>th</sup> Avenue, Omaha, Nebraska on December 11, 2015, and at any adjournment thereof. The undersigned hereby instructs said attorney to vote:

For the election of new directors and officers of the corporation, and

Upon any other business which may properly be brought before the meeting of any adjournments thereof.

Member Signature: \_\_\_\_\_

Date: \_\_\_\_\_, 2015

