

Field Day QSO Report

All the 2011 Field Day logs have been collected, uploaded to the LoTW database, and a copy sent to Eddie, KØIL, the Club's QSL manager. KØUSA had 574 QSOs (compared to 524 in 2010). The breakdown: 5 CW; 16 PSK31, 464 SSB. There were three DXCC awards: US, Canada, and Hawaii. Forty-six states were worked with Alaska, Delaware, Nevada, and Vermont missed. SSB QSO totals by band (including PSK31 and CW): 6 m, 115; 10 m, 14; 15 m, 68 (w/6 PSK31, 1 CW); 20 m, 301 (w/8 PSK31, 2 CW); 40 m, 76 (w/2 PSK31, 2 CW).

Good job, everyone.

Jeff WBØM

Annual Babcock Memorial Bike Races

Each year I get to exercise my two favorite hobbies during one event. The two hobbies are cycling and ham radio. The event is the weekend bicycle racing event known as the Babcock Memorial Weekend, named after Dave Babcock. He was a cyclist and research associate at the UNMC Eppley Cancer Center who raced competitively before being diagnosed with pancreatic cancer in 1998. He underwent treatment at UNMC but lost his battle with the disease in 2000. His family established the Babcock Family Research Fund in his memory.

This year the races were held July 16th and 17th. The course was NW of Elkhorn and consisted of some challenging hills. We were stationed along the course to alert the crew if we observed any occurring hazards, or if we could see a racer that was having problems on the course due to mechanical problems. We could also alert the medics if they were needed on the scene. Our services were not limited to using our radios. We also helped the other volunteers watch for vehicle traffic since the roads being used were not closed for the races.

On Saturday about 150 participants competed in a time trial. They were timed to see how fast they can complete the course. They were started on the course one at a time every 30 seconds.

Sunday's event was a road race with many groups of racers competing against each other. Our duties on Sunday were the same, but the action was much different than Saturday since there were racers in groups of differing sizes, as well as those that were isolated. The job of keeping track of all of them was up to the race officials that were following them in vehicles out on the course. The racers were on a seven mile loop course and they needed to complete a certain number of laps based on the division that they were competing in. Some of them were racing 70 miles, or ten laps. It was hot on Sunday and the racers were picking up bottles of cold water each time they came around the course.

Everything went well and there were only two medical issues that came up. We had a total of 11 hams out on the course for the weekend. We once again used the KØAWB repeater on 443.550. It's near Valley and it works great for the race route. Our thanks go out again to Darrel KØAWB.

Pat KØCTU

AK-SAR-BEN Amateur Radio Club, Inc.

Ham Hum

Volume LXI, Issue 8

August 2011

(Go Green. Switch to electronic delivery of the Ham Hum.)

High-Powered Rocketry



The July meeting was about high-powered rocketry and was presented by Greg Rothman, KG9OC, President of The Heartland Organization of Rocketry (T.H.O.R.) in LaVista, Nebraska. After introductions, Greg pointed out that rocket hobbyists are a small group, but spend as much time and effort on their hobby as do hams on amateur radio. There are different levels of complexity in either hobby, but getting started can be as easy as buying a ready-to-fly rocket at a hobby shop. These are typically less than \$20. Also, clubs such as T.H.O.R. helps beginners by giving talks/demos for scouting groups and attending events such as Contagion Outbreak (lower image, above).

Greg presented a slide show to AARC members that gave an overview of model rocketry. He pointed out that the difference between the model rockets used in amateur rocketry and fireworks (bottle rockets, sky rockets) is that fireworks aren't reusable. Though model rockets may have single-use motors, they're replaceable. He described the flight profile of a rocket and made the interesting comment that to successfully launch a rocket, you need to keep the center of gravity closer to the nose than the center of pressure (thrust from the motor). It's "all the rocket science you need to know."

(T.H.O.R. continued on page 10)

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	Mary Joseph	NØTRK	402-492-9156	n0trk@arrl.net
Vice President	Bill McCollum	KEØXQ	402-690-7965	ke0xq@cox.net
2011-2012 Board (Secretary)	Bill True	WA9ASD	402-426-2813	williamtrue@aol.com
2011-2012 Board (Treasurer)	Marvin Taylor	AEØEG	402-556-3668	AEØEG@arrl.net
2011	Jim Harper	KCØSHZ	402-659-0102	kc0shz@yahoo.com
2011	Claudia Peterson	K1AUD	402-593-1950	kc0sqx@arrl.net
Immediate Past President	John Gebuhr	WBØCMC	402-932-3443	wb0cmc@cox.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	Claudia Peterson	K1AUD	402-593-1950	kc0sqx@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@yahoo.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	Darrel Swenson	KØAWB	402-690-0000	dswenson@wearne.net
Control Operator	Mary Joseph	NØTRK	402-492-9156	n0trk@arrl.net
Club Callsign Trustee	Corby Krick	KØSKW	402-540-5483	k0skw@k0skw.net
Member	Steve Schmitz	NØUP	402-306-2972	n0up@arrl.net

Other Contacts

ARRL Midwest Director	Clifford Ahrens	KØCA	573-221-8618	k0ca@arrl.org
ARRL Midwest Vice-Director	Rod Blocksome	KØDAS		
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		ke0xq@cox.net

August Meeting

The next meeting of the AARC will be on Friday, August 12th, at 7:00 PM. The location is the Heartland Chapter House of the American Red Cross at 81st and Spring (near 81st and Center). The event will be an outdoor tailgate in the Red Cross parking lot..

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/>

(Ham Radio Invades Convention *continued from page 8*)

Unfortunately, the other event, NUKE-CON, also held in the Metro Area, falls on the weekend of a large community service event (the Market-to-Market Relay) so we had to decline that invitation this year.

The audience at a sci-fi convention is as diverse as any amateur radio gathering. They asked great questions and actively participated in discussions. We also spoke to numerous other presenters. Among them, the founder of the Zombie Research Society, a group that promotes preparedness by trying to be prepared for a zombie outbreak and who likes to dress up as zombies. (Before you say anything... have you been to Dayton?). There was an author who is now thinking about including amateur radio in his next apocalypse book. Others included the R2 Builders, a group that builds full sized remote controlled R2D2 robots, the Heartland Rocketry group, and a lot of people who thought that amateur radio was actually quite cool and interesting.

There are other opportunities for programs at events like this. The disaster setting is just one topic, but radio direction finding and basic radio and electronic demonstrations would definitely be of interest to many of the population that attends sci-fi and gaming conventions.

I would really like to thank Roxanne KC7RXN (Who attended the Ak-Sar-Ben ARC's technician class last year after attending a similar presentation at Dragon*Con in Atlanta a few days before. She recently passed her extra exam!); Steve, NØUP for helping with the booth design and setup, and staffed the booth the entire time at BOTH events. Also Marvin AEØEG, Christina NØRIS, Adam KDØMMG, Corby KØSKW, Bill KCØSVZ, Pat KØCTU (who always supports me on my wild ideas!) and the Atlanta Radio Club for being so willing to share their programs and support.

Mary NØTRK

MARE Drill Reminder

The annual Metro Amateur Radio Emergency service drill will be held on Saturday, August 13, 2011, 9:00 AM, at Offutt AFB. Douglas County ARES will support OMMRS by staffing hospitals and other sites participating in the drill.

Sign-up form available at: <http://www.mdares.org/heroes/machform/view.php?id=24> (alternate: <http://tinyurl.com/3n83htz>). For details contact n0trk@cox.net.

Visit the AARC Web Site

There you'll find the latest news on ham radio, events, and want ads, to name a few. There are links to other sites, Facebook, Twitter, and others. If you register, you'll have access to additional features such as submit your own want ads and add events to the calendar (requires administrator approval). For details, go to the following URL:

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

You may be a ham radio operator if: You have stripped wire with your teeth.

(T.H.O.R. continued from page 1)

Once the rocket goes up, you need to see where it comes down. Ideally, it's launched on clear, still days (wind speed should be less than 20 mph). However it may still drift a long way from the launch site when coming down. Greg mentioned that one rocket went to 14 thousand feet and landed three miles away. To help locate the rockets, many of them have on-board tracking electronics. Some hobbyist use GPS, but also popular is to use RDF techniques similar to what hams do in a fox hunt. Greg uses a 1 mW transmitter that sends his call sign in CW on the 440 band, which he says tends to give better results than VHF. Two tracking manufacturers popular with rocketry hobbyists are Argent Data Systems (<http://www.argentdata.com/>) Tracker models and the Byonics (<http://www.byonics.com/>) TinyTrak series.

Standard rocket motors are rated from the smallest, Class A, and increase to Class O. Each succeeding letter indicates double the thrust of the previous. Motors larger than Class O are available, but usually are custom jobs. Rockets are also classified by the skill levels needed to construct them: Ready-to-Fly, EX-2 (easy assembly, snap together), Level 1 (some painting, gluing, and sanding), Level 2 (measuring, cutting, and gluing), and Level 3 (advanced construction techniques, electronics payloads). The rocket in the upper right corner of the photo on page 1 is a Level 3 kit, weighs 35 pounds, and has a Class M motor. It accelerates at 5 Gs and once reached an altitude of 7300 feet. It deploys a 12-foot parachute to ensure a safe return to earth.

A third form of categorization is whether-or-not the rocket must be certified by the FAA. The smaller rockets (Class A through G) don't require certification. These typically have motors containing black powder propellant and can be used only once. Motors greater than Class G require FAA approval and are a hybrid design using a plastic-based solid propellant (which is used once) and a liquid igniter—which can be reused. This combination is necessary because black powder will not always provide an even burn in larger motors.

He showed a video of a one-third scale Redstone (lower image in the photo on page 1) that was built for the 2007 X-Prize Cup held at Holloman Air Force Base in New Mexico. It weighs 450 lbs and has a Class P motor capable of 1200 pounds of thrust. Greg obviously couldn't bring the entire rocket to the talk, but did bring the capsule to display (lower right in photo, page 1). Unfortunately, the rocket didn't win the prize, as it blew up on the launch pad. Another video showed a 70% scale Pershing rocket blasting off. It weighed 500 lbs, used a Q motor, developed 2500 pounds of thrust, and required a crew of ten to set it up on the launch pad. Unlike the Redstone, this launched successfully, but crashed due to the parachute failing to open. Disasters like this are one reason why crew and spectators usually retreat at least 1/2-mile from the launch site.

After the presentation, Greg answered questions from the group and passed around examples of the motors and electronics that go into a rocket. In all, it was a entertaining and educational evening.

For more information on T.H.O.R. (club meeting dates, photos, etc.), see <http://www.nerocketry.org/>. Their next scheduled launch date is August 20th in Pickrell, NE. See <http://www.nerocketry.org/launches.html> for details. Also interesting is Greg's home page: <http://www.rothmanrockets.com/>.

Bill KCØSVZ



Prez Sez

August already!

It will soon be time to get the nominating committee together and find officers and board members for 2012. There is not one job in the club that takes more than an hour or two a week on average. Most take much less, the problem is that many of us have to wear more than one hat and then some jobs in the club don't get the attention they need. Even volunteering to help with a committee rather than chairing it can really help a lot. While I enjoy being a spectator, it is always more fun to participate and to be a part of an event. And I have found that the more I put into something the more I get out of it. If the club isn't doing something you would like to see it do, then getting involved is the best way to make it happen. So please consider saying yes when the nominating committee calls, or better yet, let one of the current officers know you are willing to serve.

Last month I formed the "Trailer Committee," which has met to determine the exact type of trailer that is needed to replace our aging and disintegrating trailer. They should have a report ready by the September meeting. It will be nice to have a safe home for our equipment and be more readily towed by the "average" vehicle. This committee is made up of WA9ASD, NØUP, AEØEG, KCØHMI, and NØTRK. It is hoped that a large part of the price can be funded by recent donations to the Club. Once the trailer is purchased, we will have to have a trailer party to customize it for our equipment.

During this process, a comprehensive list of Club owned equipment will be created so that we know what might needed to be stored in the trailer and where the various equipment is stored. We are also looking into getting identification tags for our equipment. These tags will go on all Club owned equipment from coax to transceivers. There was a list of equipment created a few years ago, and while nothing has really changed, (we added a generator and a printer or two) it does need to be updated. If you happen to have any Club equipment, please notify the Board of Directors at board@aksarbenarc.org with the information about the items. I am still trying to track down the ARRL flag that was donated to the club many years ago, which used to fly at Field Day. Anybody know where it might be?

73, Mary NØTRK, President AARC

Silent Key - Bob Lockwood WAØDHU

Robert C. Lockwood, WAØDHU, passed away on June 17th at age 77. He was preceded in death by his parents, James and Beulah; sister Eileen Kovar, and brother Jim. Survivors include wife Susan, son Elliott, sister Verdah Mahoney, other relatives, and friends. Bob had long been active in ham radio and the Ak-Sar-Ben Amateur Radio Club; serving as Club President in 1968, teaching licensing classes, and conducting AARC-sponsored fox hunts, among others. He is interred at the Forest Lawn Cemetery.



Veep Speaks

I would like to extend a big “Thank You” to Greg, KG9OC, for the July program. I was not able to see the presentation due to not feeling well.

The program for August will be a tailgate flea market in the parking lot of the Red Cross after the business meeting.

Please remember: What you bring and don't sell, you must take it home with you.

Hope to see everyone at the meeting.

73, Bill KEØXQ, Vice President AARC

Club Meeting Minutes – July 8, 2011

The meeting was called to order at 7:00 PM by saying the Pledge of Allegiance. There were 31 attendees. Introductions by name and call.

Officers and Board Members present included: Mary, NØTRK; Bill, KEØXQ; Bill, WA9ASD; John, WBØCMC; and Claudia, K1AUD.

Secretary's Report - As there was no official meeting last month due to lack of attendance there were no minutes to approve.

Treasurer's Report - No report - Marv, AEØEG is out of town.

President's Report - The Equipment Trailer, also known as the antenna trailer, is stored free of charge in Plattsmouth. It is not in good condition and is rodent infested. It is also too heavy for the amount of equipment it can carry. At the last Board Meeting a committee was formed to investigate the club's needs and cost of a smaller, lighter weight trailer. Members include Marv, AEØEG, Bill, WA9ASD; Steve, NØUP and Mary NØTRK. If anyone is interested in participating on this committee please contact any one of the committee members. A preliminary meeting will be scheduled in the near future.

Much of the club equipment including antennas, coax, and extension cords has been removed from the Antenna Trailer for Field Day. That equipment is now temporarily in the Douglas County Mobile Communications Trailer. This equipment, along with what remains in the Antenna Trailer (some antennas, lights, and rotators) needs to be removed and stored in a secure, club controlled location.

The relocation of equipment and progress on a replacement for the Antenna Trailer will be reported on next month.

There was a donation of equipment from WØZLY's station in the last month. This along with the commercial equipment donated last month will be inventoried and disposition determined. It is possible that any funds resulting from sales of this equipment could be put towards a replacement equipment trailer for the club.

(Meeting Minutes continued on page 5)

Contest Calendar

August 2011

NAQCC Straight Key/Bug Sprint
CWops Mini-CWT Test

NAQCC-EU Monthly Sprint
QRP Fox Hunt
NCCC Sprint Ladder
WAE DX Contest, CW
Maryland-DC QSO Party
SKCC Weekend Sprint
QRP Fox Hunt
NCCC Sprint Ladder
SARTG WW RTTY Contest
ARRL 10 GHz and Up Contest
North American QSO Party, SSB
Feld Hell Sprint
New Jersey QSO Party
SARL Digital Contest
ARRL Rookie Roundup, RTTY
Run for the Bacon QRP Contest
SKCC Sprint
CWops Mini-CWT Test

QRP Fox Hunt
NCCC Sprint Ladder
Hawaii QSO Party
YO DX HF Contest
SCC RTTY Championship
Kansas QSO Party
Ohio QSO Party
SARL HF CW Contest

September 2011

QRP Fox Hunt
NCCC Sprint Ladder
All Asian DX Contest, Phone
Wake-Up! QRP Sprint

Colorado QSO Party
CWops Mini-CWT Test

AGCW Straight Key Party
QCWA Fall QSO Party
DARC 10-Meter Digital Contest
Tennessee QSO Party
MI QRP Labor Day CW Sprint
ARS Spartan Sprint
QRP Fox Hunt
NCCC Sprint Ladder
PODXS 070 Club Jay Hudak Mem. 80m Sprint

0030Z-0230Z, Aug 10
1300Z-1400Z and 1900Z-2000Z, Aug 10 and
0300Z-0400Z, Aug 11
1800Z-2000Z, Aug 10
0100Z-0230Z, Aug 12
0230Z-0300Z, Aug 12
0000Z, Aug 13 to 2359Z, Aug 14
1600Z, Aug 13 to 0400Z and 1600Z-2400Z, Aug 14
0000Z-2400Z, Aug 14
0100Z-0230Z, Aug 19
0230Z-0300Z, Aug 19
0000Z, Aug 20 to 1600Z, Aug 21
0600 local, Aug 20 to 2400 local, Aug 21
1800Z, Aug 20 to 0600Z, Aug 21
2000Z-2200Z, Aug 20
2000Z, Aug 20 to 0200Z, Aug 22
1300Z-1600Z, Aug 21
1800Z-2359Z, Aug 21
0100Z-0300Z, Aug 22
0000Z-0200Z, Aug 24
1300Z-1400Z and 1900Z-2000Z, Aug 24 and
0300Z-0400Z, Aug 25
0100Z-0230Z, Aug 26
0230Z-0300Z, Aug 26
0700Z, Aug 27 to 2200Z, Aug 28
1200Z, Aug 27 to 1200Z, Aug 28
1200Z, Aug 27 to 1159Z, Aug 28
1400Z, Aug 27 to 0200Z and 1400Z-2000Z, Aug 28
1600Z, Aug 27 to 0400Z, Aug 28
1400Z-1600Z, Aug 28

0100Z-0230Z, Sep 2
0230Z-0300Z, Sep 2
0000Z, Sep 3 to 2400Z, Sep 4
0600Z-0629Z, 0630Z-0659Z, 0700Z-0729Z, and
0730Z-0800Z, Sep 3
1200Z, Sep 3 to 0400Z, Sep 4
1300Z-1400Z and 1900Z-2000Z, Sep 3 and
0300Z-0400Z, Sep 4
1300Z-1600Z, Sep 3
1800Z, Sep 3 to 1800Z, Sep 4
1100Z-1700Z, Sep 4
1800Z, Sep 4 to 0300Z, Sep 5
2300Z, Sep 5 to 0300Z, Sep 6
0100Z-0300Z, Sep 6
0100Z-0230Z, Sep 9
0230Z-0300Z, Sep 9
2000 local, Sep 9 to 0200 local, Sep 10

For details, check: <http://www.hornucopia.com/contestcal/index.html>

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.

Ham Radio Invades Pop-Culture Convention



What does ham radio have in common with Zombies, Imperial Storm Troopers, Iron Man and Paranormal Investigators? They all spent three days together at *Contagion: Outbreak* - Omaha's Pop-Culture Expo and Convention that was held at the Qwest Center in June. Why was ham radio at a science fiction convention? Well, that question was asked many times over the weekend. A quick explanation of ham radio's roll in disaster communications

and how most TV shows and movies involving invading aliens or other apocalyptic events never seem to include ham radio quickly changed their minds. The question then became, why hasn't ham radio been included at a science fiction convention before?

The Contagion organizers offered free booth space in the main exhibit hall in exchange for an hour long presentation. In keeping with a popular sci-fi program plot, the program was entitled: "Communications in a Post Apocalyptic World." The program was scheduled for 6:00 PM on Saturday, the second day of the convention. In keeping with the theme of the program, the booth in the exhibit hall concentrated on disaster communications; the ARRL's "When All Else Fails" logo was prominent. We also encouraged people to put their name into the fish bowl to win a Multifunction AM/FM/Weather Radio that was powered by batteries, solar power, or hand crank. The winner had to be present at the "Communications in a Post Apocalyptic World" presentation. Amateur Radio related handouts from the ARRL and personal preparedness handouts were also given out. At 6:00 PM on Saturday evening every seat in the room was filled to learn more about ham radio.

The program itself gives a quick look at ham radio's history of providing communications, which predates the forming of the ARRL. It takes us through a possible disaster scenario involving hurricanes, tornadoes, and an outbreak of zombies. Along each step as the disaster unfolds we explain how ham radio is involved and what modes we have at our disposal. From the basic handheld radio, to APRS, Amateur Television, D-Star and HF, and the enterprising things that hams would do to keep radios on the air after everything else fails. The following day, many of those who attended the program stopped by to talk to us a bit more about ham radio, or brought others over to learn more about us.

We were also invited to give a presentation and a free booth for two more events. We accepted the invitation to the Omaha Science Fiction Education Society's convention (OSFES) that was held in July at the Crown Plaza hotel in Omaha. Only a few of those attending this event were the same as at Contagion, but they stopped by to tell us they enjoyed our program and encouraged their friends to attend the presentation at OSFES. Once again the program was presented to a full house of sci-fi fans who were thoroughly engaged in the story of ham radio.

(Ham Radio Invades Convention continued on page 11)

(Meeting Minutes continued from page 4)

Vice President's Report - Bill, KEØXQ reported that the program for tonight's meeting will be by Greg Rothman, KC9OC on High Powered Rocketry and the Heartland Organization of Rocketry. The August Club Meeting program will be an informal 'tailgate flea market'.

Public Service/SATERN/Community Events -ARES - There will be a MARE event (a military response exercise) on August 13. More details to follow.

Flooding - no communications emergency exists and flood checks are conducted by professionals.

SATERN - nothing to report

Community Events - The Babcock Bicycle races will be held on the weekend of July 16 and 17. More help is needed - talk to Pat, KØTCU to volunteer.

Planning is beginning for the Market-to-Market race in September. Again, talk to Pat, KØTCU for details and sign-up.

Education Committee - There may be a class in September, possibly at Methodist.

Publications/Web Services - Bill, KCØSVZ reported there was a 'color meltdown' with the printer. Thanks to a last minute rebuild, we are still able to print *Ham Hum*.

Repeater Committee - John, WBØCMC reported that some changes were made and there is ongoing 'timing' testing.

Membership Committee - Mary, NØTRK reported that there are 175 members in the club; 107 are paid and the remainder are life/spouse life members.

Field Day Committee - Mary reported that the club ran as 6 Alpha. As they say....' and a good time was had by all.' and there was a good turnout. A couple of people expressed interest in becoming Field Day chairpersons next year. The tri-plexor was built and subsequently tuned by John, WBØCMC and worked very well. It really helped simplify setup and reduced interference issues. One lesson learned - If we try to go the Freedom Park again, we should also ask for permission to use Standing Bear as a backup from the start. The paperwork takes so long to get processed that a late change of plans leaves us with no authorizations.

Claudia, K1AUD that the preliminary club score is 1254 points. She is also storing some signs and cooking equipment. On an update from Freedom Park, the USS Hazard is actually anchored and floating and the USS Marlin is still dry.

QSL Committee - No report.

Technical Committee - No report.

Prize Committee - Rollie, ABØNN reported that we have left over 'grabber bits', drivers and lights from last month's prizes as well as the dreaded 'Brown Bag Mystery Prize'.

Courtesy Committee - Bill, KEØXQ reported that Bob Lockwood, WAØDHU, a long time club member has passed away.

(Meeting Minutes continued on page 6)

(Meeting Minutes continued from page 5)

Public Awareness - Mary reported that Contagion Outbreak provided excellent exposure for amateur radio and Aksarben ARC. At the presentation, an emergency radio was given away to an attendee, which was well received. As a result of attending, contact was made with the Heartland Association of Rocketry; how the meeting program was arranged. The Zombie Research Society is a preparedness group that used zombies as the disaster to be prepared for as a CDC presentation.

The club was invited to attend 2 more conventions, one of which, the Omaha Science Fiction Education Society, which resulted in a commitment to attend their convention on July 22, 23, and 24.

Remaining to be pursued are the Steampunk Society (think Wild, Wild West-style modern equipment) and the R2D2 Builders Society who are attracted to our use of technology. There is a convention we could have a booth at that conflicts with the Market-to-Market event.

Old Business - The new club banner was displayed and wowed the membership. The donated equipment will be offered on eBay soon.

Announcements - Corby, KØSKW was presented with the new home owner's plaque, a piece of drywall, by Pat, KØTCU.

There will be a VE session July 26 at 6:30.

There will be a flea market at North Bend Saturday, July 30 from 9 AM to 12:30 PM sponsored by the Pioneer ARC of Fremont.

The Central Nebraska ARC will have their 50th annual steak-fry at the Victoria Springs State Park on Saturday July 30 and Sunday July 31. Contact Steve, AGØL at rvrdale@yahoo.com or KCØDA@arrl.net for information on their wide range of scheduled events and details.

At 7:28 PM a motion was made by John, WBØCMC and seconded by Norm, WAØJYD to adjourn. Passed unanimously.

Bill WA9ASD, Secretary AARC

Ham Nation

Maybe you are aware of the *this WEEK in TECH* (TWiT) netcasts that produce web-based videos about leading-edge technologies. Now they've a program called *Ham Nation* (<http://www.twit.tv/hn>) which covers various aspects of amateur radio. Bob Heil, K9EID, hosts a new show every Tuesday at 6:00 PM Pacific/9:00 PM Eastern. You can also go to the web site at any time and view earlier shows by clicking a link from the menu on the right of the screen. Previous shows have included kit building, Field Day, emergency communications, ham radio basics, and an interview with musician Joe Walsh, WB6ACU. Check it out.

Denny KØLGI

Correction

On page 12 of the July 2011 *Ham Hum*, first paragraph of the Dayton article, the name of **Devulapalli Bharathi Prasad, VU2RBI**, should have been printed in bold face as she was one of the celebrities interviewed. (Also the only female on the list.)

Christina NØRIS

Club Calendar

- Jul. 7** 7:00 PM VE Testing. Lincoln ARC, T&R's Garden Restaurant, Lincoln NE.
- Jul. 16** PPRAA Megafest. Lewis Palmer High School, Monument, CO.
- Jul. 16-17** Dave Babcook Memorial Bike Race - May need workers for both the Time Trials and the race. Contact Pat, KØCTU for details.
- Jul. 23** WØDXCC Convention. Riverfront Community Center, Leavenworth, KS.
- Jul. 26** 6:30 PM Ak-Sar-Ben ARC Board Meeting at Borders at 72nd and Dodge.
- Jul. 26** 6:30 PM VE Testing. Red Cross Building - 81st and Spring Streets.
- Jul. 30** Pioneer ARC Hamfest. North Bend, NE. 9 AM-12:30 PM. (www.k0jfn.com)
- Jul. 30-31** Central Nebraska 50th Annual Hamfest. Victoria Springs State Park, NE.
- Aug. 3** Douglas County Evacuation Drill (no other information available).
- Aug. 4** 7:00 PM VE Testing. Lincoln ARC, T&R's Garden Restaurant, Lincoln NE.
- Aug. 5-7** Midwest Division Convention. Clarion Hotel & Teamsters Hall, Cedar Rapids, IA.
- Aug. 12** 7:00 PM Ak-Sar-Ben ARC Meeting. Red Cross - 81st and Spring Streets.
- Aug. 13** 8:00 AM MARE Drill (OMMRS). Offutt AFB and Douglas/Sarpy Counties.
- Aug. 20** WAARCI Area Hamfest. Johnson Co., Missouri Fairgrounds, Warrensburg, MO.
- Aug. 21** DRC Hamfest. Jefferson County Fairgrounds, Golden, CO.
- Aug. 21** Kansas State Convention. Salina Bicentennial Center, Salina, KS.
- Aug. 27-28** Offutt Air Show. Hams not attending air show should stand by for possible activation in the case of an event at the air show.
- Aug. 30** 6:30 PM Ak-Sar-Ben ARC Board Meeting at Borders at 72nd and Dodge.

For the latest updates and new events, see the Upcoming Events section on the AARC web site (<http://www.aksarbenarc.org/main/>).

June Door Prizes

Door prizes at the July meeting consisted of the Brown Bag prize and some that were left over from June: A work light, screwdriver set, electronic repair kit, and magnifier/grabber assembly. Prize Committee Chair Rollie, ABØNN, drew the tickets and handed out the goodies: Dave, NØJSB, was awarded the screwdriver set; Mitch, WØGBI, got the work light; Mary, NØTRK, the repair kit; and Steve, NØUP, the magnifier/grabber. Russ, NØMNW, won the Brown Bag prize, which turned out to be a set of electric timer/power switches.

Want Ads

Self-Supporting Tower Ready to move and install. Rohn HDBX48 w/40' & 48' rotor plates & thrust bearing, new HDBX hardware package and BXB8 concrete base stubs, extra "flat" steps kit, 10' carbon steel mast, grade 40 rebar (28); (costs for all items if new: \$2050); free hardline included, asking \$550. Contact Ed, KØiL, 402-598-0574

HF Transceiver IC-746 PRO HF transceiver for sale. It comes with complimenting power supply, SP-21 speaker, manual, and a handheld IC mike. All for \$750. Contact Greg, N7JOD, 7619 Belmont Drive, Ralston, NE 68127. Cell: 402-305-2009.

You may be a ham radio operator if: You have ever bought black electrical tape in ten packs.