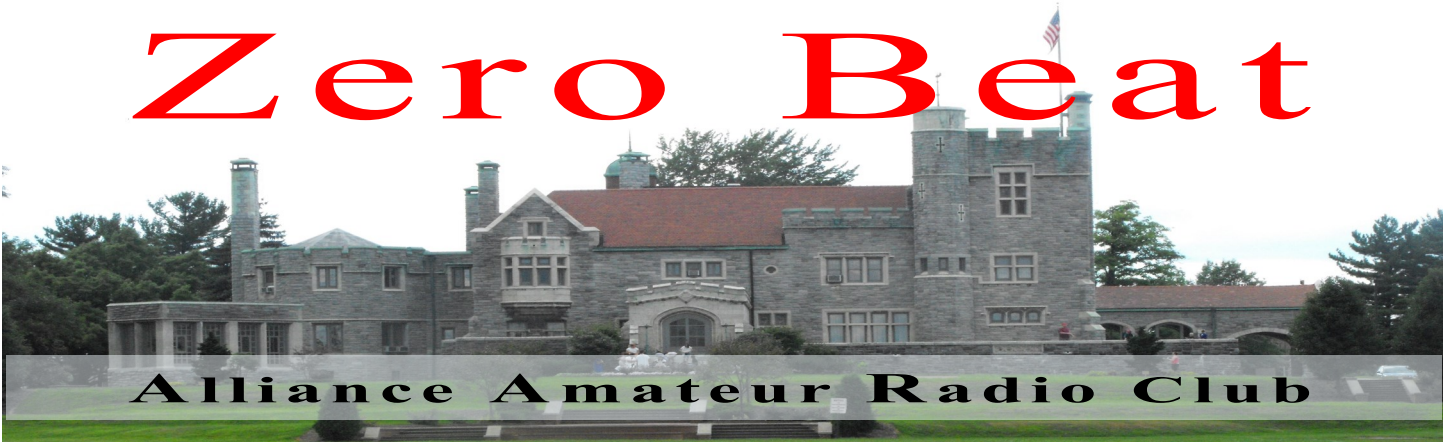


Zero Beat



Volume XXVII, no 11

<http://www.w8lky.org>

November, 2013

Serving the Tri-County area since 1986

2nd Annual Fundraiser For Fire Department Toy Drive To Be Held At December Meeting

For the 2nd year, in a row, the Alliance ARC will hold a fundraiser to benefit the children in the greater Alliance area. It will be held at our November club meeting on Wednesday, November 13th.

Yes, there will be our normal 50/50 drawing, but the normalcy ends there. Approval has been given to donate the club's share of the 50/50 drawing to the Fire Department Toy Drive.

To sweeten the pot (and loosen your wallets), a Baofeng UV-B5 dual-band HT has been donated to the drawing. In addition, some to-be-announced prizes might show up. You never know. Of course, the big winner of the drawing will be the kids who benefit from the Alliance Fire Departments annual toy drive.

You may also participate by bringing an unwrapped new -in-box toy to be donated. These will be delivered to the Fire Department for the toy drive.

Each year, the fire department buys toys, and distributes them to poor, and underprivileged children, here in the Alliance area.

The Alliance ARC will be meeting at 7:30 in conference room 2A at Alliance Community Hospital. So, hit the ATM, dig up those mason jars, and bust open the piggy banks. Come to the November meeting prepared to donate to a great cause! You may just win an HT!

Also, we have dinner at 6 PM at Frank's Alliance Family restaurant. (428 E. State St). Everyone is invited.



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AARC Meetings

The Alliance Amateur Radio Club meets on the Second Wednesday of each month, at the Alliance Community Hospital. Check the meeting announcement on page 1, for times, and program information. Talk-in on either of the club repeaters. Meetings begin at 7:30 PM. Visitors are always welcome.

Find Us Online:

Web: www.w8lky.org

E-mail: W8lky@w8lky.org



AARC Repeaters

2 Meters

145.370 (-) W8LKY
-W8LKY Echolink node

440 MHz

442.350 (+) W8LKY
(Neither club repeater uses PL for access)

Nets

Thursday is our "net night," with the following nets held, beginning at 8 PM

Ten Meters

8:00PM 28.100 MHz (CW)
8:30PM 28.400 MHz (SSB)

Two Meters

9:00 PM 145.37 MHz W8LKY (-)

Homeland security Net

(Meets on the last Tuesday of each month
8:00 PM 147.51 Simplex

October Minutes

October 9, 2013

The regular meeting of the Alliance Amateur Radio Club was held on October 9, 2013 at 7:30 PM in the first floor conference room of the Alliance Community Hospital with club President Frank Sanor (WA8WHP) presiding. The pledge of allegiance was recited followed by introductions. There were 17 members present along with Miriam Sanor, Rex Simmons (NX8G) and Carl Mani (K7CE).

Committee reports:

- As Don (K8OMO) was absent, there were no reports concerning the HF and Homeland Security nets or the repeater. Smitty (KC8TJQ) reported that the 2-meter net was going well except for occasional problems for persons trying to access Echolink.
- Website: John (KD8MQ) reported that it had not been updated for a while but that he and Ben (KD8KMQ) were working on it.
- Classes: Frank reported that the single student they had was doing well and would soon be ready to take the Technician exam.

Birthdays & announcements:

- Birthdays included Jerry Shore (N8SH), Susan Heiks (K8STH), Bob Scafate (KC8SQS), Frank himself, Ted Armstrong (K8TWA), Steve Collins (KB8RFE), John Myers (KD8MQ), Ben Davis (KD8KMQ), George Proudfoot (K3GP) and Cheryl Whitaker.
- President Frank reminded the club of the Massillon hamfest on November 3, which includes a test session. There were reminders about a number of operating events including the Pennsylvania and Arizona QSO parties. John added that the weekend of the 19th & 20th is the annual Jamboree On the Air.

Secretary's report:

Secretary Don (AB8KV) noted that since there was no business meeting at the picnic in September there were no minutes as such. He did note that he had arranged for flowers for the funeral of Ron (WC8F) and had sent a condolence card to the family on behalf of the club. He went on to thank club members for their support during Dave's (N8NLZ) illness and for the flowers and calling hours visits for his funeral. With nothing further, the report was approved on a motion by Tom (KD8JRK) and seconded by Smitty.

Treasurer's report:

Treasurer Mary Ann (KB8IVS) gave the report. It was approved on a motion by Howard (K8DXR) and seconded by Tom.

Old business:

There was no old business for discussion this month.

New business:

(Continued on page 4)

October Minutes - cont.

- Frank announced the annual club Christmas party would be held on December 14 at 6 PM at Don Pancho's. At issue was whether the club should put up the money for cash drawing prizes as in past years. After some brief discussion, a motion was made by Tom to allocate \$100.00 from the treasury for the cash prizes. This was seconded by John and approved on a voice vote.
- Frank reminded the club that the annual Fireman's toy drive is coming up. John then added that although a collection was made for that purpose last year, the club missed the deadline for turning it in, so that money would go toward the fund for this year. In addition, John made a motion that the club's half of the 50/50 drawing in November be donated to the fund. He also announced that an HT would be raffled as part of that drawing, to encourage the members to participate generously. His motion was seconded by Smitty and approved on a voice vote.
- Tom reported on his participation with the Akron ARES group at the Akron marathon. He noted that if the temperature had increased another five degrees, the race would have been stopped, but that everyone got through the event ok.
- Mary Ann reminded Frank and the club that Ham of the Year nominations are due and should be turned in to John. She then asked whether it might be desirable to stop updating the large plaque since it would soon be out of space and just give the small plaque to the winner each year and keep the master list on the website. After discussion, it was decided to follow her suggestion and retire the large plaque. John and the 2014 recipient would receive their plaques at the Christmas party. There was also agreement that since the silent key plaque is already full, this list should be moved to and maintained on, the website.

With no further items for discussion, the business portion of the meeting was adjourned at 7:50 PM on a motion by Tom, seconded by Steve. After the break, election of officers would take place.

Annual election of officers:

Trustees Ben and Steve conducted the election process. Trustee Tony (KD8BBK) was absent and was also the outgoing Trustee. Voting was by individual, private ballots.

Nominees for President:

- ⇒ Ben, KD8KMQ (by Frank)
- ⇒ Frank, WA8WHP (by Tom)
- ⇒ Rick --KC8SUI (by Smitty)

A motion to close nominations was made by Howard and seconded by Rick. Final tally: **Ben Davis (KD8KMQ)** was elected President.

Nominees for Vice President:

- ⇒ Rick, KC8SUI (by Smitty)
- ⇒ John, KD8MQ (by Ben)
- ⇒ Smitty, KC8TJQ (by Tom)

A motion to close nominations was made by Tom and seconded by Howard.

- The vote was tied on the first ballot between Rick and John.

October Minutes - cont.

- It was tied again on a second ballot, so a coin toss decided the winner.

Final winner: **John Myers (KD8MQ)** was named Vice President.

Nominations for Secretary:

⇒ Don—AB8KV (by Tom)

Don stated that he would prefer someone else take the position as he was looking at the possibility of a couple surgeries coming up and needed a break.

⇒ Tom, KD8JRK (by Frank)

⇒ Rick, KC8SUI (by Steve)

A motion to close nominations was made by Tom and seconded by Frank.

Final tally: **Tom Steele (KD8JRK)** was elected Secretary.

Nominations for Treasurer:

⇒ Mary Ann (by Howard, seconded by Tom).

There were no other nominees and with her agreeing to continue serving, **Mary Ann Royer (KB8IVS)** was named Treasurer.

Nominations for Trustee (3-year):

⇒ Rick, KC8SUI (by Tom)

⇒ Howard, K8DXR (by Gladys—KB8GIA)

⇒ Patty, KB8QWH (by Frank). Patty declined.

⇒ Smitty, KC8TJQ (by Rick)

A motion to close nominations was made by Frank and seconded by Tom.

A tie between Rick and Howard occurred on the first ballot.

The final winner was decided by a coin toss and the 3-year Trustee position was won by **Rick Smith (KC8SUI)**.

Nominations for Trustee (1-year to replace Ben):

⇒ Howard, K8DXR (by Rick)

⇒ Gary, KB8GAB (by John). Gary declined.

⇒ Frank, WA8WHP (by John)

A motion to close nominations was made by Tom and seconded by Rick.

Final tally: **Howard Miller (K8DXR)** was elected to the 1-year Trustee position.

The meeting adjourned at 8:30 PM.

Minutes respectfully submitted by Don (AB8KV), Secretary.

Cell Phone Recycle



Remember, we are doing an ongoing cell phone recycling drive. Just bring your old cell phones to the next club meeting.

we will see that your old phone gets recycled in the most environmentally friendly way possible. At the same time, we make money for our club! How's that for a win-win?

If getting to a meeting is not convenient, just give John, KD8MQ a call at 330-936-5021, to make other arrangements.

Ham of the Year ballots are due



Now's the time to cast your vote for the 2013 Ham of the Year.

Get your ballot to John, KD8MQ ASAP! His contact info is on page two.

(kd8mq1@gmail.com)

PREVIOUS HAMS OF THE YEAR

1989	Jim Ferguson	N8DZA (SK)
1990	Dave Buckwalter	KC3CL
1991	Jack Bennett	W8WEN (SK)
1992	John Myers	WX8G
1993	Pam Myers	N8IAK
1994	Larry Ashburn	KE8VE (SK)
1995	Gladys Wilson	KB8GIA
1996	Don Whitaker	K8OMO
1997	James W. Wilson	KB8GHZ (SK)
1998	Mary Ann Royer	KB8IVS
1999	David Glass	W8UKQ (SK)
2000	Jerry Wheeler	KG8RN
2001	Robert L. Steele	K8RLS (SK)
2002	Samuel Eberling	KC8ETZ
2003	Joe Young	KC8TAC
2004	George Proudfoot	K3GP
2005	David Glass	W8UKQ (SK)
2006	Franklin A. Sanor	WA8WHP
2007	Howard Miller	K8DXR
2008	John Myers	KD8MQ
2009	Larry Ashburn	KE8VE (SK)
2010	Tony Schilling	KD8BBK
2011	Don Kingan	AB8KV
2012	John Myers	KD8MQ

My vote for Ham of the Year is:

Comments (optional)

The AARC Wayback Machine

Here again are some of the highlights from the last 20 years of the Zero Beat. you can read them at <http://www.w8lky.org/newsletters/>.

November, 1988, (editor N8IAK)

- We were trying to drum up support for a club effort for the 1988 ARRL Ten Meter Contest.
- Our spotlitter this month was on Larry Hillier, N8EWV.
- The 3rd annual AARC Christmas party was being held at Coletta's restaurant on E. State St.

There was no November, 1993 newsletter

November, 1998, (editor K8LTG)

- The new president of the Alliance ARC was Jerry Rozaieski, KC8DKM (now K8CAT).
- The Christmas banquet was to be held at Roadhouse Charlies.
- Dave, KC3CL was on the air from Australia, as VK8CL.
- Another article was included from John, KD8MQ, extolling the fun that was had operating the PA QSO Party as a portable station.

November, 2003, (editor KE8VE)

- K8RLS was elected president, with Joe, KC8TAC as Vice President.
- Larry, KE8VE was drumming up support for a fox hunt.
- We were advertising to sell the club van.
- Sam , KC8ETZ was collecting votes in order to pick his replacement as Ham of the year.

November, 2008, (editor, KD8MQ)

- The October elections were held, and it was:
 - President: Frank, WA8WHP
 - V President: John, KD8MQ
 - Secretary: Don, AB8KV
 - Treasurer: Mary Anne, KB8IVS
- The November, 2008 program was to be a Field Trip of the WDLI Studios in Louisville.

Rambling

by John, KD8MQ



Here we are again. It's a new month, and the holidays are upon us. We have some good stuff coming up over the next year. I'll write more about that over the next few months.

<rant> I'm going to begin this month with a gripe. For the last two months, I've been running the ballot for the Ham Of The Year. To date, I have received no ballots; not one! The deadline is days away, folks! If no ballots are submitted, maybe we'll award the Ham Of The Year plaque to "APATHY". Come on folks, how much time does it take to write the name of a deserving club member, and forward it to me? **<end rant>**

We just had our elections. In a surprise development, Ben, KD8KMQ accepted the nomination for President. He then turned around and nominated yours truly as VP. No doubt

Rambling—cont.

there will be more about that somewhere else in the Zero Beat.

One of the jobs of the VP is to line up programs for the club meetings. I'm just getting started on that project. One program I'm planning to do is on the basics Logbook Of The World. I'm sure no expert, maybe we can look for the answers together. I have it up & running, which seems to put me in the minority.

Another program I'm looking at is on logging software. Tony, KD8BBK shared Ham Radio Deluxe with us earlier this year. Both of the preceding ideas were suggested by members of our club Facebook page. If you have a suggestion for a program that you think would appeal to our members, please pass it along. My contact info is on page 2 of the zero Beat. You can also text, message me, or post your suggestion to the Facebook page.

Speaking of Facebook, I know that it isn't everyone's cup of tea. I myself have kind of a love-hate relationship with it, but it does have it's advantages. I'm not trying to get anyone to sign up on Facebook, but, if you are already there, check out our club page. You can link to it from the Facebook logo on page two of this newsletter.

Another of the Jobs of the VP is to "**organize club activities and programs not otherwise designated to a committee or other member**". OK, looks like I will be twisting some arms in the next year. You'll hear more about that as the year progresses, but first on the agenda is the AARC raffle. Are we going to do it again? You tell me!

In April is the VHF QSO Party. I'll be e-mailing everyone soon regarding a call for ideas on how to improve the 2014 contest.

There's more on the horizon for 2014 than I'm willing to share at this time. Just keep your eyes & ears open. It's liable to be a busy (but fun) year, as we strive to stay out of "Meeting Mode".

A few weeks ago was our annual trip to 3-land for the PA QSO Party. Ben Allen, WI8T, and myself descended upon John, N8PLA's cabin in Jefferson County, for a weekend of Ham Radio fun, good cooking, and vintage DVDs. Rumor has it that there was beer involved, but these are totally unfounded. By the Way, Ben reports that after exhaustive research, he has confirmed that Sigel, is spelled S-I-G-E-L. Thanks Ben!

Copying CW is my weak point; always has been. I'm good for short bursts, then my mind wanders. I miss a letter, then try to think what it was, and miss 2-3- more, etc, etc, etc. With 42 more states needed on CW, I have no choice but to get on the ball. So, I resolved to operate more CW this season. I began by working 58 CW QSOs during the PA QSO Party. It wasn't a lot, but I needed to start somewhere. I dove into the ARRL Sweepstakes (CW). Since the contest exchange for the SS is more complex than what was required for the PAQP, I'm expecting a major challenge there.

I managed to finally put up my 80/40 meter dipole at the home QTH. This should solve a problem I've been having with working into the New England states. I still like my vertical, but sometimes, I just want a higher angle of radiation. My next antenna project is to install the antenna switching unit in my shed. Does anyone have about 150' of 6 conductor cable preferably 16, or 18 gauge for trade, or sale cheap? Give me a call.

Rambling - cont.

by John, KD8MQ

The Fox hunt season is ended for another year. So I have four months to kill. Will I finally take my direction finder, and mount it into a box? Or, will it remain the breadboard & hot-glue monstrosity that we have come to know & love? Time will tell.

And that about wraps it up for another month. I'd like to wish everyone a great Thanksgiving, and we'll talk again sometime after black Friday. 73, de John, KD8MQ

Introducing The AARC Member News-Ticker

(I'm going to try something new this month. Hopefully, it will catch on. If not, oh well. Often, I'll get an e-mail from someone with some news that is interesting, but just a couple lines long. So, we're going to start with a couple comments I've received this month, and go from there.

This could be anything; how you did in the latest contest, or what new DX you've worked, or even a new addition to your family. Just pass them along to me at kd8mq1@gmail.com, and we'll put you in print.)

Ben, KD8KMQ - Oh s!@#\$. I fully intended to write something this week but I just haven't figured out what to say.

Steve, KD8SPF - Hi John, I know my presence has been scarce, but I have been working 56 hour weeks for months and the work just keeps coming so I am usually in bed by 8 or so. Somehow I did manage to do the Hawaii QSO party the other month and somehow I managed to win 2nd place in the 8 call district with only 6 contacts, barefoot on my vertical. Got a very nice embossed certificate. Also did the cqww dx contest this past weekend, was able to score 116,544 points, 219 QSO's; 61 zones, 131 different entities. I started after work Saturday afternoon, went till 4am, and back up at 9am Sunday morning to finish out the contest. I heard Tony (KD8BBK) work HK1NA right after me on 160 meters Saturday late evening. It was fun, but I was wore out today at work. My favorite contact was AH0BT on 15 meters. My new vertical antenna is working! Best wishes, 73's Steve KD8SPF

Don—K8OMO - Latest DX:

- Cayman Island ZF2KG on 10 megs
 - Costa Rica TI5/N3KS 28 megs
 - Mozambique C82DX 14 megs
 - Poland SP6EY 10 megs
 - Azerbaijan 8J4M1300/4 7 megs
 - Harrisburg KD8BBK 7 megs
- just a few, K8OMO

Butch, WA8SHP - Ten has been wide open and I worked a couple of new locations for me:

TA1FA 7Z1BL E70T UW7LL and TF3CW (e SEVEN ZERO)

All were worked on SSB on either 10 or 15 meters within the past couple of weeks.

AARC Member News-Ticker - cont.

73, Butch, WA8SHP

Frank, WA8WHP - In case you didn't hear, Tomas Murray passed his tech. We now are planning, as he was our only student, to start the general material. Anyone wanting to upgrade are welcome, Tuesdays at 7PM in the IT Lab at Marlinton High School.

N8NLZ SK



Most of you were aware that Reverend Dave was battling cancer, recently. He left this world on October 3rd, 2013.

David, N8NLZ was a long-time club member. Thinking about what to write here, I remember Chef David keeping the troops fed at Field Day, when he, and Dianna Ashburn would team up to cook breakfast for everyone. He was also my contact every year for Lions Club Rose Day .

For links to his obituary, you can check out the clubs Silent Key page at w8lky.org/?page_id=522.

Club Elections Are Held



Our 2013-14 officers (l-r) Howard, K8DXR, Rick, KC8SUI, Steve, KB8RFE, Mary Ann, KB8IVS, John, KD8MQ, Ben, KD8KMQ, Tom, KD8JRK

Well, it happened again! We made it through the October election of officers, without the AARC express making it's run.

The race for President came down to a three-way race between Ben, KD8KLMQ, Frank, WA8WHP, and Rick, KC8SUI. Ben was the winner in the race for President.

Then came the race for Vice president, which came down to two elections, and a

Club Elections Are Held

coin toss before John, KD8MQ was declared the winner between himself, Rick, KC8SUI, and Smitty, KC8TJQ.

The race for Secretary belonged to Tom, KD8JRK, since Don, AB8KV stepped aside after an 8 year run in that office.

Mary Ann, KB8IVS accepted the nomination for Treasurer, continuing her record setting run of 18+ years, and counting.

In the trustee department, the incoming Trustee was Rick, KC8SUI, who beat out his Dad, Smitty, KC8TJQ, and Howard, K8DXR for that office.

Howard went on to beat Frank, WA8WHP, in the race for the 1 year trustee, to finish out Ben's term.

Congratulations to everyone who had a hand in once again derailing the AARC express.

W1AW Winter Operating Schedule

QST de W1AW
ARRL Bulletin 26 ARLB026
From ARRL Headquarters
Newington CT November 4, 2013
To all radio amateurs

SB QST ARL ARLB026
ARRL026 W1AW 2013/2014 Winter Operating Schedule

Morning Schedule:

Time	Mode	Days
1400 UTC (9 AM EST)	CWs	Wed, Fri
1400 UTC (9 AM EST)	CWf	Tue, Thu

Daily Visitor Operating Hours:

1500 UTC to 1700 UTC - (10 AM to 12 PM EST)
1800 UTC to 2045 UTC - (1 PM to 3:45 PM EST)

(Station closed 1700 to 1800 UTC (12 PM to 1 PM EST))

Afternoon/Evening Schedule:

2100 UTC (4 PM EST)	CWf	Mon, Wed, Fri
2100 " "	CWs	Tue, Thu
2200 " (5 PM EST)	CWb	Daily
2300 " (6 PM EST)	DIGITAL	Daily
0000 " (7 PM EST)	CWs	Mon, Wed, Fri
0000 " "	CWf	Tue, Thu
0100 " (8 PM EST)	CWb	Daily
0200 " (9 PM EST)	DIGITAL	Daily
0245 " (9:45 PM EST)	VOICE	Daily

W1AW Winter Operating Schedule - cont.

0300 "	(10 PM EST)	CWf	Mon, Wed, Fri
0300 "	"	CWs	Tue, Thu
0400 "	(11 PM EST)	CWb	Daily

Frequencies (MHz)

 CW: 1.8025 3.5815 7.0475 14.0475 18.0975 21.0675 28.0675 147.555
 DIGITAL: - 3.5975 7.095 14.095 18.1025 21.095 28.095 147.555
 VOICE: 1.855 3.990 7.290 14.290 18.160 21.390 28.590 147.555

Notes:

CWs = Morse Code practice (slow) = 5, 7.5, 10, 13 and 15 WPM
 CWf = Morse Code practice (fast) = 35, 30, 25, 20, 15, 13 and 10 WPM
 CWb = Morse Code Bulletins = 18 WPM

CW frequencies include code practices, Qualifying Runs and CW bulletins.

DIGITAL = BAUDOT (45.45 baud), BPSK31 and MFSK16 in a revolving schedule.

Code practice texts are from QST, and the source of each practice is given at the beginning of each practice and at the beginning of alternate speeds.

On Tuesdays and Fridays at 2330 UTC (6:30 PM EST), Keplerian Elements for active amateur satellites are sent on the regular digital frequencies.

A DX bulletin replaces or is added to the regular bulletins between 0100 UTC (8 PM EST) Thursdays and 0100 UTC (8 PM EST) Fridays.

Audio from W1AW's CW code practices, CW/digital bulletins and phone bulletin is available using EchoLink via the W1AW Conference Server named "W1AWBDCT." The audio is sent in real-time and runs concurrently with W1AW's regular transmission schedule.

All users who connect to the conference server are muted. Please note that any questions or comments about this server should not be sent via the "Text" window in EchoLink. Please direct any questions or comments to w1aw@arri.org.

In a communications emergency, monitor W1AW for special bulletins as follows: Voice on the hour, Digital at 15 minutes past the hour, and CW on the half hour.

All licensed amateurs may operate the station from 1500 UTC to 1700 UTC (10 AM to 12 PM EST), and then from 1800 UTC to 2045 UTC (1 PM to 3:45 PM EST) Monday through Friday. Be sure to bring your current FCC amateur radio license or a photocopy.

The W1AW Operating Schedule may also be found on page 36 in the November 2013 issue of QST or on the web at, <http://www.arri.org/w1aw-operating-schedule> .



Who will be the
Alliance Amateur
Radio Club's

2013

Ham of the Year?

This honor will be awarded at our
Annual Christmas Party

Alliance Amateur Radio Club
Christmas Party

December 14, 2013 at 6 PM

at

Don Pancho's Tex-Mex café

2105 W. State St

Alliance

Don't forget the annual AARC Prize drawing!

We will be ordering from Don Pancho's regular menu. Meals will be at regular prices plus \$4.00.

No reservations required!

Homebrew Night V!

All right, it's now a tradition; It's been going on for so long that we can't even think about stopping it. It's kind of like a runaway locomotive.

Our program at the November meeting is **Homebrew Night!**

you've been up late soldering, drilling, and fabricating, and now it's almost here. Your chance to crow a bit, and show off homebrewing skills.



Here's how it works:

- Bring something you've built, or restored. Remember, software counts, too!
- All entrants will get five minutes or so to describe their pride & joy, and field questions from the audience.
- Afterwards, we all vote for our favorite entry.

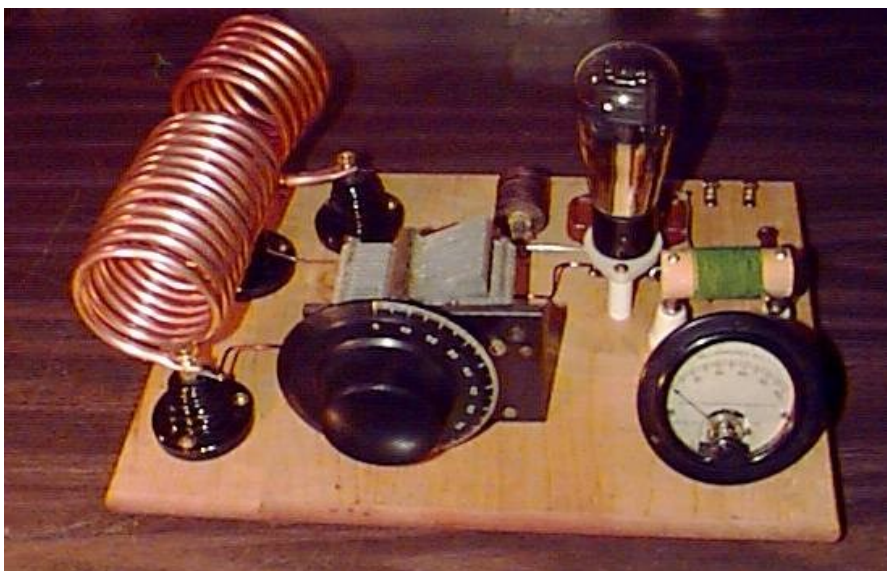
The winner gets a fabulous prize. Is it a 2014 Tesla Roadster? How would you like to win a 2 hour shopping spree at AES?

Well, so would we! But, unfortunately, it's not in the budget this year. But we think you'll like the prize.

Sorry, being the difficult curmudgeons that we are, we ask that your entry be at least remotely related to Amateur Radio.

Previous entries are not eligible, unless substantially changed.

So, get those projects finished up. November 13th is almost here!



Uno, Dos, Tres...

by Dan, KB6NU



If you have done any amount of listening to shortwave radio outside of the ham bands, you have undoubtedly run across "numbers stations." The broadcasts from these stations consist streams of numbers or letters, often in a computer-generated female voice speaking in Spanish. Every now and then, a numbers station pops up on 30m, sending five-character groups in Morse code.

According to the Conet Project (<http://www.irdial.com/conet.htm>), "Shortwave Numbers Stations are a perfect method of anonymous, one way communication. Spies located anywhere in the world can be communicated to by their masters via small, locally available, and unmodified Shortwave receivers. The encryption system used by Numbers Stations, known as a 'one time pad' is unbreakable. Combine this with the fact that it is almost impossible to track down the message recipients once they are inserted into the enemy country, it becomes clear just how powerful the Numbers Station system is."

The Conet Project sells a CD with a number of recordings for \$55, but you can find a bunch of mp3 files at <http://www.archive.org/details/ird059> for free.

Recently there was a thread on the Glowbugs Google Group about numbers stations. One fellow mentioned "The Numbers Station," a movie released earlier this year starring John Cusack. IMDB (<http://www.imdb.com>) says that The Numbers Station is about "a disgraced black ops agent dispatched to a remote CIA broadcast station to protect a code operator. Soon, they find themselves in a life-or-death struggle to stop a deadly plot before it's too late." It's currently available for streaming on Netflix, and I watched it recently. It's kind of violent (lots of people get shot), but it's a decent thriller.

Jim, K6FWT mentioned ENIGMA 2000 (<http://www.apul64.dsl.pipex.com/enigma2000/>). The group's website describes ENIGMA 2000 as "a UK based online group, whose aims are to bring together listeners and enthusiasts who monitor and gather information on 'Number Stations' and other related radio transmissions. Through our Yahoo Group monitors can share their logs, discuss frequencies, thoughts and opinions on this most emotive subject." Jim says, "These folks are SERIOUS enthusiasts. I have heard that they surpass many intelligence services with their thoroughness. You can get in up to your eyeballs if you don't watch it."

These stations have been around since World War II. I remember as a kid in the 1960s and 1970s, reading articles about numbers stations in Popular Electronics and Electronics Illustrated. They're as much of a mystery today as they were back then.

(When he's not listening to numbers stations, Dan, KB6NU enjoys working CW on the HF bands and teaching ham radio classes. For more information about his operating activities and his "No-Nonsense" series of amateur radio license study guides, go to KB6NU.Com or e-mail cwgeek@kb6nu.com.)

Paper Chase

By Joe, W8KNO



November is the month you can build your state count during both the phone and cw portions of the ARRL Sweepstakes; countries during the CQ World Wide CW Contest or counties in the Kentucky QSO Party. These contests may enable you to get that WAS or DXCC award.

The best known of these is the ARRL Sweepstakes. It is one of the oldest organized on-the-air amateur radio competitions. First held in the thirties, the early Sweepstakes were two weeks long and were CW only affairs. Later, as phone operation became more popular after World War II, a Phone Sweepstakes was added.



Swap & Shop

- **For sale** - Kenwood TS-430 HF Rig 160 thru 10 M. Has the FM Board, and 500hz CW filter installed. Comes with matching PS-430 power supply, and extra DC Power Cable. This has been my main rig for the last few years. \$500. Contact John, KD8MQ at 330-936-5021, or at kd8mq1@gmail.com.

- **Wanted to buy, or Trade** - I need about 150' of 6 conductor rotor cable. It should be no smaller than 18 gauge. Contact John, KD8MQ at 330-936-5021, or at kd8mq1@gmail.com.

November 2013

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																				
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Alliance Amateur Radio Club
P.O. Box 3344
Alliance, OH 44601

This Months Meeting

will be on Wednesday,

November 13th. in Conference Room 2A at:

**Alliance
Community hospital**
200 E. State St
Alliance, OH.

Our meeting will begin at
7:30PM

This month will be our annual "Homebrew Night"

Feel free to Join us for
dinner at

**Frank's
Family Restaurant**
480 E. State St, Alliance
at 6 PM that night.

Newsletter Information

The Zero Beat is a
publication of the
Alliance Amateur Radio Club
P.O. Box 3344
Alliance, OH 44601

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You can submit material to the Zero Beat via e-mail to kd8mq1@gmail.com

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