



## Field Day Results

Does everyone remember the fun we had at Field Day? I sure do. It was one of the most enjoyable Field Days that I can remember.

Of course, Mr. Murphy just had to make an appearance. The Marlinton BoE chose the week before Field Day to repave the parking lot. This would have been fine, except that the lot was not finished yet, and we wound up driving in around the south end of the building. I don't know if this cost us any PR opportunities, or not. We sure weren't easy to get to.

It's 5 months later, and the results have been posted online, and in the pages of QST. I've been playing with the online scores, and have some numbers to share with you.

We had a final score of 3,646, running category 3A. We made 939 QSO's. I thought I'd attempt to put these numbers into perspective. We placed:

- 449<sup>th</sup> out of 2612 total entries
- 83<sup>rd</sup> out of 300 entries in class 3A, running medium power
- 52<sup>nd</sup> out of 248 total en-

tries in the Great Lakes Division

- 12<sup>th</sup> out of 33 running 3A, medium power in the Great Lakes Division
- 33<sup>rd</sup> out of 126 total in the Ohio Section
- 7<sup>th</sup> out of 16 running 3A, medium power in the Ohio section

So, we did OK. I also checked to see how the other Stark County clubs fared.

The Canton ARC (W8AL) scored 8,956, running class 2A. They ran a GOTA station, and made a total of 2,283 QSO's

The Massillon ARC (W8NP) posted a score of 3,282, running in class 2A. They also ran a GOTA station, and made a total of 765 QSO's.

### Plans for 2010

Our Field Day committee has met, and started talking about places where improvements can be made.

Some are simple, such as reducing the noise from the generators, and not locating the port-a-pot 6 ft upwind of the 40 meter station.

Some require a little more preparation, such as taking advantage of the digital modes, setting up a solar powered station, and sched-

uling operators to work the night shift.

Your Field Day Committee consists of John, KD8MQ, George, K3GP, Howard, K8DXR, and Tom, Kd8JRK. Please pass along any ideas, comments, and questions to them.

## Meeting Announcement

Our next meeting will be on Wednesday, December 2<sup>nd</sup>, at the Alliance Community Hospital, in the Cafe conference room.

Meetings begin at 7:30 PM.

This months program is by Robert Gilbert, KA8JOY, on crash scene investigation.

Before the meeting, you're invited to join us at

**Luna's Restaurant  
2340 W. State St.**

Please note the  
change of restaurant

We meet there at 6 PM, for food, & fellowship

## Officers

### President

KD8MQ  
John Myers  
510 West Harrison St.  
Alliance, OH 44601  
[kd8mq@neo.rr.com](mailto:kd8mq@neo.rr.com)  
330-936-5021

### Vice-President

K8DXR  
Howard Miller  
10626 Dot Ave.  
Alliance, OH 44601  
[hmliller32@neo.rr.com](mailto:hmliller32@neo.rr.com)  
330-821-9392

### Secretary

AB8KV  
Donald R Kingan  
446 West High St.  
Alliance, OH 44601  
[dkingan@neo.rr.com](mailto:dkingan@neo.rr.com)  
330-821-5819

### Treasurer

KB8IVS  
Mary Ann Royer  
6255 Sandalwood NE  
Canton, OH 44721  
[kb8ivs@aol.com](mailto:kb8ivs@aol.com)  
330-492-0703

### Trustees

K8OMO  
Don Whitaker  
920 W. Beech Rd.  
Alliance, OH 44601  
[K8OMO@Juno.com](mailto:K8OMO@Juno.com)  
330-823-5639

KC8TJQ  
Oliver "Smitty" Smith  
25462 Buffalo Rd.  
E. Rochester, OH 44625  
330-894-2530

WA8WHP  
Frank Sanor  
24462 St. Rt. 172  
Minerva, OH 44657  
[wa8whp@verizon.net](mailto:wa8whp@verizon.net)  
330-206-2639

### Editor

John Myers, KD8MQ  
(See above)

## Rambling

By John, KD8MQ

The November meeting was my first as club president, and I must say a very enjoyable one. After a short business meeting, we held our clubs first Homebrew night. Four of you brought out your homebrew/restored treasures, and shared them with us.

We have some interesting programs coming up in the next few months.

At the December meeting, we have Robert Gilbert, KA8JOY, who is a police Officer, specializing in traffic crash reconstruction.

Then, in January, dust off those headphones and get ready to copy some CW! I'll be demonstrating a piece of Software called RufzXP. It is a CW training tool, but it is more than that. I'll explain it in more detail in next months issue of the ZB.

When Frank, WA8WHP was elected as president, he wanted to see the club engage in some kind of operating activity. It took a while, but we finally came up with something.

At the December meeting, I'll be introducing a proposal for the "Worked all Stark County Contest". This contest was formerly done by the Canton Amateur Radio Club, but has not been held in the last couple of years.

Their Board of Trustees has offered to step aside, and let us run it this year, and as an added bonus, has offered to contribute \$25 to the prize fund. I'll have a proposal ready to

(Continued on page 7)

## Meetings

The Alliance Amateur Radio Club meets on the First Wednesday of every month. Check the meeting announcement on page 1, for the location.

Talk-in is on 145.37 ®.

Meetings begin at 7:30 PM.

Visitors are always welcome.

## Nets

Thursday is our "net night," with the following nets held:

### Ten meters

CW @ 8PM on 28.400 MHz  
SSB @ 8:30PM on 28.400 MHz

### 2 meters

9 PM on 145.37 MHz

The Homeland security Net meets on the last Tuesday of the month, at 8:00 PM, on 147.51 simplex

## Internet

**Web:** [www.w8lky.org](http://www.w8lky.org)

**E-mail:** [W8lky@w8lky.org](mailto:W8lky@w8lky.org)

## Newsletter Information

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

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You can submit material to the Zero Beat via e-mail to [kd8mq@neo.rr.com](mailto:kd8mq@neo.rr.com)

## November Meeting Minutes

The regular meeting of the Alliance Amateur Radio Club was held on November 4<sup>th</sup>, at 7:30 PM at Alliance Community Hospital. President John Myers, KD8MQ presided. The pledge of allegiance was recited, followed by introductions.

There were 14 members, and 1 guest present. Birthdays were acknowledged.

Minutes were accepted as printed in the Zero Beat, on a motion by wa8whp, seconded by KD8JRK

The treasurers report was presented by Mary Ann, KB8IVS, and accepted on a motion by k8dxr, and seconded by K3GP.

### Committee reports

**Field Day report** - nothing to report as yet. The 2009 results had not yet been posted to the ARRL website.

**ARES** - Don, K8OMO reported on the October 18<sup>th</sup> Disaster drill. He noted that he was still working on the final report to the Stark Cty AEC.

**Nets** - Don, K8OMO reports that the Homeland Security net was going well, with at least 4 counties checked in on the last session. The 10 Meter CW, and SSB nets were going well.

Jim, K8LTG reports that the 2 Meter net has been plugging along with 14 - 18 check-ins each session.

**ARRL Liaison** - HB 212 / HR 2160 are both out there.

ARRL held a Webinar on the commercialism of Amateur Radio.

Field Day rules are to be released in February, 2010

**Fox Hunt** - 2 last fox hunts of the year;

K8OMO & KD8MQ came in 3<sup>rd</sup> in the Cuyahoga Falls fox hunt.

Jim, N8PXW came in first, K8OMO/KD8MQ came in 2<sup>nd</sup>. KC8SUI came in 3<sup>rd</sup>. The fox was hidden in downtown Alliance.

KD8MQ reports "No more Mr. nice guy" in the upcoming spring fox hunts, as the hunts are being taken to the next level.

### Old Business

KD8MQ thanked club for the use of the FT-1000

Club website has been renewed

Re the cost of renting the mile branch grange for a possible hamfest, KG8RN passed on the name & address of the fair board president to KD8MQ.

### New business

An amendment to the bylaws was presented. The purpose being to increase the amount of petty cash in the treasury to \$50 from \$20. It was presented by John, KD8MQ, and will be voted on at the December meeting (It is printed in this issue of the ZB).

We were approached to sponsor a BSA Technology crew, where the participants

(boys & girls) would be introduced to technology, including, but not limited to Amateur Radio subjects. For now, the crew would meet quarterly. We already have three co-advisors for the crew, but need someone willing to take the lead. Ben, KD8KMQ explained the concept in greater detail. There is some online training required.

It was noted that no club funds are being solicited at this time.

Anybody interested should contact John, KD8MQ, or Ben, KD8KMQ

Tom, KD8JRK reports that his father is going November 6<sup>th</sup> to the Cleveland Clinic, for more tests.

At 7:54 PM, We took a five minute break for the consumption of donuts, and the sale of 50/50 tickets.

We reconvened at 8 PM

The 50/50 drawing was held, with the winner collecting \$9.00. It was won by KD8MQ, who donated it back to the club treasury.

Motion to adjourn by KD8JRK, seconded by KG8RN

Minutes submitted by John, KD8MQ, in the absence of Don, AB8KV.

## Proposed amendment to the AARC bylaws

Back in October, it was pointed out that we had an error in the printed version of our club bylaws. Everyone is sure that we had, at some point in the past, amended the bylaws to allow the treasurer to keep up to \$50 in the petty cash fund.

However, no one can find any record of it, so here we go again.

In accordance with Article VII of the AARC bylaws, the following amendment was presented at the November meeting. It will be discussed, and voted on at our December meeting.

### Proposed amendment to the bylaws of the Alliance Amateur Radio Club

We, the three undersigned full, and/or sustaining AARC members, ask that the following amendment to the AARC bylaws be presented for consideration.

Whereas, the most current available copy of the club bylaws limits the cash on hand to no more than \$20, the following amendment to the club bylaws is suggested:

Article IV, B of the bylaws currently reads:

**All money received shall be deposited within twenty (20) days of receipt, except not more than \$20.00 may be held in a petty cash fund for the purpose of making change, or for the payment of small bills.**

If passed, this amendment would change article IV, B to read:

**All money received shall be deposited within twenty (20) days of receipt, except not more than \$50 may be held in a petty cash fund for the purpose of making change, or for the payment of small bills.**

We understand that this proposed amendment will not be discussed in a meeting, or voted on until the next regular meeting of the Alliance Amateur Radio Club. During that time, it will be published in the club newsletter.

Respectfully

(Signed by: Tom Steele, KD8JRK, John Myers, KD8MQ, & Frank Sanor, WA8WHP)





## And Up It Goes!

KC8SUI's signal now to be heard far & wide!

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KC8SUI's 2 meter signal has gotten a whole lot better. On Saturday, November 21<sup>st</sup>, a group of Hams showed to plant his tower. On the tower was a VHF vertical, and it looked like he was planning to hoist a multi-band dipole from the tower, as well.

Good luck Rick, Happy Birthday!



Here's the tower sliding ever so gently into the hole.



The crew that handled KC8SUI's tower erection project.  
On tower (l-r) Tony, Kc8BBK, Anthony (No Call)  
On ground (l-r) Charly, KC8ORP, Bob, KC8SQS, Tyler, Andy, KD8HWU,  
Tomas, KC8ZEH, Rick, KC8SUI, John, KD8MQ, & Don, K8OMO

## K8LTG Takes First Prize in AARC Homebrew Night!



Jim, K8LTG Holds his prize-winning HBR Receiver

After all was said & Done, Jim, K8LTG is probably pretty happy that he brought his homebrew HBR receiver to the November meeting.

This was the first such event for our club, and it appears to have been well received. We had four entries.

- Jim, K8LTG - with his HBR receiver
- Don, K8OMO - with a homebrew amplifier which he had acquired
- Jerry, N8SH - with his restored National Receiver
- Frank, WA8WHP - with his homebrew noise bridge

Each entrant had a few moments to describe their entry, and then the voting began.

After the votes were counted, Jim, K8LTG won best of show. For his classic HBR receiver. He first saw the plans for this receiver in an early '60s copy of QST.

In researching the HBR receiver, your editor found that the HBR still has a loyal following on the internet. It made for some interesting reading.

## Wayback Machine - cont.

*(Continued from page 12)*

been awarded Honorable mention in the 3<sup>rd</sup> annual Ohio section Newsletter Contest. We scored 70 out of a possible 100 points; Not bad for a first entry, according to Joe.

- We printed a Ham Radio rendition of the 12 Days of Christmas.

- A new column "Dit & Dah Talk Radio" debuted.

- N8IAK was planning for the clubs annual Santa Net.

- A true story was shared on how to pinch a penny, on the way to affording that new dream radio.

- The winning team of KC8WY, & N8GIE won the AARC Fall Fox hunt. The foxes were John, WX8G, and Pam, N8IAK, who were hidden in Paris.

- The 1999 AARC Christmas Banquet was coming up on December 10<sup>th</sup>, at Roadhouse Charlies.

- Dave(N8NLZ) & Mildred Hostetler's 50<sup>th</sup> wedding anniversary was coming up.

**December, 2004, (editor KE8VE)**

- Larry was posting his remembrances of Ray, K8DEN, who had become a Silent Key.

- Doug Bowling, AB8CJ was closing down the Ham station at Marlinton, citing lack of time as the reason.



AARC  
Christmas Party  
December 12, 2009 @ 6 PM

Don Pancho's  
Tex-Mex café  
2105 W. State St,  
Alliance

We will be ordering from Don Pancho's regular menu. Meals will be at regular prices plus \$4.00.  
**No reservations required!**

*Now You Know!:* It's All Greek to Me

Ask any high school physics student and they'll tell you that electrons govern pretty much everything we do. We call electrons in motion an electrical current, and those radio waves that we hams are so fond of are the result of high frequency electrons traveling in our antenna conductors. Think of a 40 meter wave as an accidental tourist who wants to go somewhere (somewhere nice and warm, maybe a rare DX station). But how to get there? It needs some mode of transport -- think of electrons as the transport providers.

We use our transmitters to move the electrons in our antennas to-and-fro to produce radio waves, hopefully to that rare DX destination. When the radio waves get there, they set electrons in another antenna in motion. That current

-- electrons in motion -- is amplified and detected at the receiving location and a QSO is made.

But why do we call them electrons? The ancient Greeks noticed that amber attracted small objects when rubbed with fur; apart from lightning, this phenomenon is thought to be man's earliest known experience of electricity. Back in the year 1600, the English physician William Gilbert -- in his treatise *De Magnete* -- coined the *New Latin* term *electricus* to refer to this property of attracting small objects after being rubbed. Both *electric* and *electricity* are derived from the Latin *ēlectrum*, which came from the Greek word ἤλεκτρον (*ēlektron*) for amber. *Now you know!*  
*(From the ARRL Letter, Nov 19<sup>th</sup>, 2009 issue)*

**Rambling -cont.**

*By John, KD8MQ*

*(Continued from page 2)*

hand out at the December club meeting. I can tell you that it is a 2 Meter simplex contest, and should be a lot of fun.

Catch me on the air, or at a club meeting and I'll talk your ear off about some of the great stuff coming up in 2010.

Don't forget, the annual club banquet is coming up on Saturday, December 12th. You don't want to miss this one, as we honor our latest Ham of the Year.

See you at the next meeting!

73 de KD8MQ

## AARC Swap n Shop!

Welcome to a new feature in the Zero Beat. Do you have something Ham-related for sale, or something you are wanting to buy? Let me know. My contact info for placing an add is at the bottom of the page.

**For Sale** - Paul, NW8C has the following for sale.

- Hallicrafters HT-37 Transmitter
- Hallicrafters SX-110
- Pyramid 22A Power Supply
- Kenwood TR-9000 2M All Mode

You can contact Paul, NW8C @ 330-938-0851

**For Sale** - Frank, WA8WHP has the following for sale.  
(He notes that all proceeds will be donated to the club)

### Meters

1	0-50uA DC	4.5 "
1	0-75A AC	3.5"
2	0-30V DC	3.5"
1	0-50uA DC	edge mount
3	0-25A DC	3.5"
2	0-15A DC	3"
1	0-10V DC	3.5"

### Klystrons

6 8907

timer switch 120 VAC 2 pole

### Power resistors

1	5 ohm 200 Watts
2	4 tap 250 kilohm @ 200 watts
4	4 tap 62.5kilohm @ 200 watts

*(Continued on page 9)*

**Swap & Shop rules:** We'll keep the rules simple.

1. All ads will run for two months, unless you contact me to cancel, or extend it.
2. You are allowed to post anything as long as it is Ham Radio, or Computer related.
3. Please, no converted CB equipment.

**To place an ad:** contact John, KD8MQ (Cell: 330-936-5021, e-mail: kd8mq@arrl.net)



## AARC Swap n Shop! -cont.

### fans

- 1 160 cfm 120 VAC
- 2 65 cfm 120 VAC
- 2 115 VAC .19/.15A Comair rotron muffin
- 1 115 VAC .07/.06A Comair rotron muffin

Time Delay Relay 0-5 Min. DPST 120 VAC 10 Amp contacts

Powerstat 0-120VAC 22A

Powerstat 0-140VAC 22A with knob

Staco 0-240/280VAC 3.5A

Powerstat 0-280VAC 3.5A with knob and scale

### Relays

- 3 3PDT 10A 12VDC coil P&B
- 3 DPDT 10A 120VAC coil P&B
- 4 DPDT 10A 115VAC coil #3A993
- 26 DPDT 10A 120VAC coil #11AG120
- 19 3PDT 10A 120VAC coil #14AG120
- 10 CHASSIS MOUNT SOCKET
- 6 3PDT 10A 120VAC coil #14DG120

If interested in any of this, please contact Frank, WA8WHP, via e-mail (wa8whp@verizon.net), or phone (330-206-2639)

**For Sale** - John, KD8MQ has the following for sale.

A TA-33 beam. The reflectors, and directors are from a TA-33, but the driven element is from a Ta-33 Junior. I put this together several years ago, but never really used it enough to confirm how well it worked. Everything is there, except for the insulator blocks for the elements.

I also plan to have some tube testers, and vintage electronics up for sale on Ebay. My user name is TVGuy07.

I can be contacted via e-mail (KD8MQ@arrl.net), or phone (330-936-5021)

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## K8OMO is Back!

Well I guess I'm back as they say, after a long stint off the air due to a move of the QTH , I have managed to re-install my complete antenna system at the new QTH.

The new QTH is my former Family home where I started the Amateur Radio Hobby. A tender age, which we won't mention I got interested in Ham Radio due to the fact my brother ,8 years older was a Ham before me. Of course the old sibling rivalry took hold and I had to keep up . HI HI

You can see by the pictures that with 9 antennas , switching can become a little tedious at times , and I can admit have transmitted on the wrong one a few times or more .

Some other pictures are of a piece of wire I found up in the nearby woods still attached to the tree with a screw in insulator . I remember installing this antenna when Mom and Dad were away and



hooked all 200 feet to the side of the house right next to their bedroom window. Boy did I hear about that the first night it was up and trees were hitting the wire and making the darndest noise all over the house . Had to move the house end to another location .Hi Hi .

Of course you cant put up a 85 foot plus tower without having a VISITOR once in a while . I about had a Heart attack when he landed on my poor little 432 beam antenna .

So far in 8 weeks we have managed to work over a hundred countries o n CW mostly and some SSB.

All are welcome to stop by and chat and view the installation.

73's Don, K8OMO

# December 2009

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 7PM: Canton ARES Net 147.12 9 PM N. Col. Cty net 147.255 9 PM SAARA Net-146.805 pl	2 AARC Meeting 7:30 PM	3 7pm: PCARS Net 146.895 8 PM Massillon Net 147.18(+) <u>AARC Nets</u> 8pm: CW on 28.400 MHz 8:30pm: SSB on 28.400 MHz 9pm: 145.37 (-) <b>KC8ETZ BD</b>	4 ARRL 160 Meter Contest	5 ARRL 160 Meter Contest
6 ARRL 160 Meter Contest	7	8 7PM: Canton ARES Net 147.12 9 PM N. Col. Cty net 147.255 9 PM SAARA Net-146.805 pl	9	10 7pm: PCARS Net 146.895 8 PM Massillon Net 147.18(+) <u>AARC Nets</u> 8pm: CW on 28.400 MHz 8:30pm: SSB on 28.400 MHz 9pm: 145.37 (-)	11 Hanukkah	12 AARC Banquet Don Panchos  ARRL 10 Meter Contest
13 ARRL 10 Meter Contest	14	15 7PM: Canton ARES Net 147.12 9 PM N. Col. Cty net 147.255 9 PM SAARA Net-146.805 pl	16	17 7pm: PCARS Net 146.895 8 PM Massillon Net 147.18(+) <u>AARC Nets</u> 8pm: CW on 28.400 MHz 8:30pm: SSB on 28.400 MHz 9pm: 145.37 (-)	18	19
20	21 First Day of Winter	22 7PM: Canton ARES Net 147.12 9 PM N. Col. Cty net 147.255 9 PM SAARA Net-146.805 pl <b>KD8KDK BD</b>	23	24 7pm: PCARS Net 146.895 8 PM Massillon Net 147.18(+) <u>AARC Nets</u> 8pm: CW on 28.400 MHz 8:30pm: SSB on 28.400 MHz 9pm: 145.37 (-)	25 Christmas	26 First Day of Kwanzaa
27	28	29 7PM Canton ARES Net 147.12 8PM-Homeland Security net 9 PM N. Columbiana cty net 147.255 9 PM SAARA Net-146.805	30	31 7pm: PCARS Net 146.895 8 PM Massillon Net 147.18(+) <u>AARC Nets</u> 8pm: CW on 28.400 MHz 8:30pm: SSB on 28.400 MHz 9pm: 145.37 (-) Straight Key Night		

Alliance Amateur Radio Club  
P.O. Box 3344  
Alliance, OH 44601

## 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/newsltrs/>.

### **December, 1989, (editors KB8GCE & KB8GCF)**

- Our friend at the Salem Area ARA were preparing for their 2<sup>nd</sup> annual pancake breakfast.

- There was an ad for a line of no-code CW study tapes. We believe this was an attempt at humor.

- Tech/General classes were starting soon. The instructors were to be John, WX8G, and Jim, N8DZA.

- The AARC Christmas banquet was coming up on Dec 23<sup>rd</sup> at Roadhouse Charlies.

- This months "Couples in our club" feature spotlighted Larry & Patti Hillier, N8EWV, and KE8KH.

- The mystery is finally solved! The winner of the AARC DXCC contest was Jack, W8WEN. Jack worked & confirmed 100 countries in 1989.

### **(There was no December, 1999 issue of the Zero Beat)**

### **December, 1994, (editor WX8G)**

- There was a very interesting story on Ham Radio's coverage of the break-up of comet Shoemaker-Levy 9. Members of the Denver Radio Club provided live coverage from the snowy peak of Mt. Evans, west of Denver.

- The club was offered the use of an observatory in Paris.

- We reprinted a letter of congratulations from Joe Philips, K8QOE. The Zero Beat had

*(Continued on page 6)*