

## AARC Railroad Makes The Round Trip In Record Time!

From the figures in the Minutes, the Annual Meeting lasted all of 7 minutes! That must be a record, although I didn't actually check to see for sure. All officers were re-elected and the outgoing Trustee became the new Trustee.

I thought you might be interested to see who has held the Club's offices in the past, so I looked them all up, back to '86-'87 when KD8MQ was President and Patti, KE8KH was Secretary. It isn't clear from the old Newsletters who the other officers were prior to the elections, but KD8MQ was re-elected President

and served until 1989. John, N8GIE was elected VP in '87 and Allen, WI8T took over in '88. The Secretary and Treasurer for '87-'88 were Pam, N8IAK, and Patti, KE8KH. Patti continued as Treasurer until October '92. In 1989 Dave, KC3CL was elected President and Gary, KB8GAB was VP. Gladys, KB8GIA became the Secretary and was re-elected in 1990. That year Jim, KB8GHZ was elected President and John, then WX8G (KD8MQ) was VP. Later in the year, Jim, Gladys and John resigned and were replaced by

*(Continued on page 2)*

## Christmas Party, Ham of the Year

If you are planning to attend the Christmas Party this year, you will need to get your reservations in to Mary Ann by December 4th so she will have time to get everything taken care of. A reservation form can be found in the Zero Beat and there will be a few extras at the meeting.

Give your vote for Ham of the Year to our current HOTY, Joe, KC8TAC, as soon as possible also. Time is needed to get the plaque engraved before the banquet.

The Ham of the Year award began

*(Continued on last page)*



N8PLA, KB8IVS, K8LTG and KC8ETZ at Massillon Hamfest. Photo by KE8VE.

### De Olde Meeting Announcement

The next meeting of the Alliance ARC will be on Wednesday, November 3rd, in the cafeteria of the Alliance Community Hospital. Our meetings begin at 7:30 PM, and are an excellent opportunity for eyeball QSO's. Directions can be found on the K8LTG Repeater (145.370) See you there!

## Officers

### President

Bob Steele, K8RLS  
3755 South Union Ave.  
Alliance, OH 44601  
rsteele@alliancelink.com  
330-821-5011

### Vice-President

Joe Young, KC8TAC  
154 W. Grant St.  
Alliance, OH 44601  
ljyoung@cannet.com

### Secretary

Dave Glass, W8UKQ  
217 West Simpson St.  
Alliance, OH 44601  
w8ukq@juno.com  
330-823-4855

### Treasurer

Mary Ann Royer, KB8IVS  
6255 Sandalwood NE  
Canton, OH 44721  
kb8ivs@aol.com  
330-492-0703

### Trustees

Frank Sanor, WA8WHP  
24462 St. Rt. 172  
Minerva, OH 44657  
wa8whp@juno.com  
330-894-2186

George Proudfoot, K3GP  
P.O. Box 343  
Louisville, OH 44641  
k3gp@arrl.net  
330-829-3859

James Lilley, N8XTJ  
67 E. Columbia St.  
Alliance, OH 44601  
330-821-1308

### Editor

Larry Ashburn, KE8VE  
1080 W. Beech St.  
Alliance, OH 44601  
ke8ve@alliancelink.com  
330-821-9808

*(Continued from page 1)*

Gary, KB8GAB-P, Allen, WI8T-VP and Kitty, N8LIP-S. The resignations stemmed from a misunderstanding about a plan to move elections to October, which did take place in 1991, but not before Gary also resigned due to a personal conflict. Allen, WI8T then served as acting President until the elections in October. Elections have been held in October since then.

Pam, N8IAK was elected President in '91 and served until 1995. Larry, KE8VE was elected VP and Dan, N8LVO was Secretary. In '92 the only change was Allen, WI8T replaced Patti as Treasurer. In 1993 K8OMO became VP, KE8KH took over as secretary and Mat, N8EAD became Treasurer.

In 1994 Gladys became Secretary again and Mary Ann, KB8IVS began her long term as Treasurer. Dave, W8UKQ took over as Secretary in '95. We should all thank Mary Ann and Dave for their long dedication to the Club. Also, in '95, Jerry, AA8GY (N8SH) became President. In '96 Jerry and Don traded places and Don, K8OMO was re-elected President in '97. Larry, KE8VE was elected VP and served until 2003 when he was replaced by Joe, KC8TAC. In 1998 Jerry, KC8DKM (K8CAT) was President. In '99 and 2000, Jerry, KG8RN took over and in 2001, Bob, K8RLS began his Presidency.

The following have served as Trustees. Some have served more than one 3-year term:

KA8FUZ(SK), KE8II, KC8VG (WC8F), N8EWV, N8DZA(K8LTG), KE8VE, KC3CL(K3SK), W8WEN, KB8GHZ(SK), N8SFN(K8JDB), K8DEN, KG8RN, KA8GRC, N8XTJ, KD8MQ, KC8TAC, WA8WHP, K3GP.

## Meetings

The Alliance Amateur Radio Club meets on the First Wednesday of every month, in the cafeteria of the Alliance Community Hospital. 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 on tap:

### Ten meters

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

### 2 meters

9 PM on 145.37 MHz

## Internet

If you'd like to check us out on the web, our E-mail address is:

[w8lky@qsl.net](mailto:w8lky@qsl.net)

Our club home page is:

[Http://www.qsl.net/w8lky](http://www.qsl.net/w8lky)

## Newsletter Information

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

Unless otherwise noted, permission is freely granted to reprint portions of the Zero Beat, as long as credit is given to the author & source.

You can submit material to the Zero Beat either electronically, to ke8ve@alliancelink.com, in person, or via snail mail. I can read most word processor formats, but prefer your files to be in straight text, E-mail, or Microsoft Word format.

## October Minutes

### ALLIANCE AMATEUR RADIO CLUB

October 6, 2004

The regular meeting of the Alliance Amateur Radio Club was held at the Alliance Community Hospital on October 6, 2004, at 7:30 P. M., with Robert Steele, president, presiding. Secretary David Glass W8UKQ kept the minutes. There were 18 members and two guests present.

The Pledge of Allegiance was given, and introductions were made.

The minutes of the regular meeting for September were published in the newsletter. The total of the treasury balance was reported for the month. The minutes were approved upon motion by Frank WA8WHP, seconded by Jim K8LTG.

Mary Ann KB8IVS reported the treasury balances. The report was approved upon motion by David N8NLZ, seconded by Jim N8XTJ

.Old Business: Don K8OMO reported that the first training session was held for the Homeland Security station at the hospital. There will be more training. Volunteers are welcome.

Time for Ham of the Year. Give your nomination to Joe KC8TAC by the next meeting and no later than November 15.

Bob K8RLS is looking for a picture of the castle and/or a carnation for the Special Event certificate.

The Christmas Party is December 18. Same menu and prices plus tip and tax.

New Business: The Medina Hamfest is October 10. Massillon Hamfest is October 31. Jim K8LTG is working on a hole for an antenna tower. Welcomes help. Dave W8UKQ brought some old ARRL books for anyone to take. Left overs will be taken to the library book sale. Jack W8WEN operated station W8QLY in Canfield. There was a crowd watching. He should have had some brochures.

Don K8OMO was interviewed by The Review about the Homeland Security project. The interview was published on October 1st.

The meeting recessed at 7:52 PM to go into the Annual Meeting session.

The meeting adjourned at 8:12 PM upon motion by Frank WA8WHP, seconded by Bob K8RLS.

#### ANNUAL MEETING

The annual meeting of the Alliance Amateur Radio Club was held at the Alliance Community Hospital on October 6, 2004, at 8:05 P. M., with the Trustees, Frank WA8WHP, presiding, with George K3GP, and Jim N8XTJ.

Secretary David Glass W8UKQ kept the minutes. There were 18 members present.

Elections were held as follows:

For the office of president, Bob K8RLS was nominated by Larry KE8VE, seconded by Jim K8LTG. The motion to close nominations was approved.

For the office of vice president, Joe KC8TAC was nominated. by David N8NLZ, seconded by Bob

K8RLS. The motion to close nominations was made by Larry AA8NV, seconded by Jim K8LTG, and approved.

For the office of secretary, Dave W8UKQ was nominated by Jim K8LTG, seconded by Mary Ann KB8IVS. The motion to close nominations was made by Larry KE8VE, seconded by Don AB8KV, and approved.

For the office of treasurer, Mary Ann KB8IVS was nominated by Dave W8UKQ. seconded by Don K8OMO. The motion to close nominations was made by Larry AA8NV, seconded by Dave W8UKQ, and approved.

For the office of trustee for three years, Jim N8XTJ was nominated by Jim K8LTG. seconded by Larry KE8VE. The motion to close nominations was made by Jack W8WEN, seconded by George K3GP, and approved.

Dave W8UKQ then moved for the secretary to cast the unanimous ballot for all offices and to elect the nominees to their respective offices.. The motion was seconded by Jim K8LTG, and approved.

Dave W8UKQ stated that the new term will be his 10th and last term. The trustees have 365 days to find a new secretary. Dave will make available to the new secretary a spread sheet roster on paper and on a floppy in Lotus 1-2-3 or Microsoft Excel. The spread sheet format may be used to set up a data base as desired.

The meeting adjourned at 8:12P. M. upon motion by Frank WA8WHP, seconded by Bob K8RLS.

Respectfully submitted, Dave Glass W8UKQ, Secretary

## THE WAYBACK MACHINE

ISSUE #11

by **Bill Continelli, W2XOY**

reprinted with permission

In our last installment, we saw how the FCC shifted from an initial VHF/UHF bandplan that was radically different from today's allocations, to a proposal which closely parallels the frequencies we have today. Amateurs were happier with the January 1945 plan over the November 1944 one, as it restored our ten meter band back where it belonged, and gave us a full 4 Mc at six meters.

One person who was not happy with the January 1945 plan was Edwin Armstrong, inventor of the Regenerative, Superregenerative and Superheterodyne receivers, and the Father of FM. He wanted the FM Broadcast band to stay in the 42-50 Mc area: instead, he suddenly saw it transferred up to 84-102 Mc., which would make every FM station and receiver obsolete. He knew that David Sarnoff of RCA was behind this, as RCA wanted television in the frequencies now occupied by FM. Sarnoff and the RCA engineers had an interesting argument, FM they said, should be moved higher in frequency to avoid the Sporadic E skip.

Armstrong fought back. He pointed out that FM, due to its capture effect, was less susceptible to skip interference than television, which used AM for the video carrier. He ran tests and submitted data showing that the skip interference to FM would be far less than imagined, and certainly a fraction of what TV would endure. The ARRL, by the way, was in favor of moving FM up to the 84-102 Mc area. To counteract the arguments that FM receivers would become obsolete by the move, QST in the May 1945 issue ran the schematic of a 1-tube converter, which Hallicrafters said they could build for \$5.60.

In late May, 1945, the FCC announced the three alternatives that were being considered for the disputed 44-108 Mc region. They were:

ALTERNATIVE #1 --

44-48 Mc--Amateur (We would have a 7 meter band under this proposal)

48-50 Mc--Facsimile Broadcasting

50-54 Mc--Educational FM Broadcasting  
54-68 Mc--Commercial FM Broadcasting  
68-74 Mc--TV Channel 1  
74-78 Mc--Aeronautical fixed and mobile  
78-108 Mc--TV Channels 2-6

ALTERNATIVE #2 --

44-56 Mc--TV Channels 1 & 2  
56-60 Mc--Amateur 5 Meter Band  
60-66 Mc--TV Channel 3  
66-68 Mc--Facsimile Broadcasting  
68-72 Mc--Educational FM Broadcasting  
72-86 Mc--Commercial FM Broadcasting  
86-104 Mc--TV Channels 4-6  
104-108 Mc--Non-Government fixed and mobile.

ALTERNATIVE #3 --

44-50 Mc--TV Channel 1  
50-54 Mc--Amateur 6 Meter band  
54-84 Mc--TV Channels 2-6  
84-88 Mc--Educational FM Broadcasting  
88-102 Mc--Commercial FM Broadcasting  
102-104 Mc--Facsimile Broadcasting  
104-108 Mc--Non-Government fixed and mobile.

Except for the 44-108 Mc region, which was still up in the air, the 25-44 and 108 Mc and higher frequencies were fairly well established at today's allocations. The only major exception was the 470-480 Mc band, which was still allocated to Facsimile Broadcasting. The FCC indicated that tests would be run through the summer months to determine which Alternative was the best.

Reaction was quick to the proposals. Except for the ARRL, almost none of the major players liked Alternative 2, so the choice lay between 1 and 3. The ARRL found #2 acceptable because it preserved our 5 meter band. Of the other two alternatives, the ARRL was strongly opposed to #1. A 44-48 Mc seven meter band would have too much skip, was too close to our ten meter band, and too far from two meters. In the end, the ARRL came out in favor of Alternative #3 because, it was believed that the FM band should be as far as possible from our ham bands in order to avoid IF interference to FM receivers.

Naturally, Major Armstrong was in favor of Alternative #1. He continued to make extensive tests and bom-

*(Continued on last page)*



# Zero Beat



Dave, W8UKQ at the QCWA table. Photos by KE8VE.



“Come on, Joe. Buy it. Martha said not to bring anything home.”

# Alliance Amateur Radio Club

## Christmas Party



### Reservation Form

The annual Alliance Amateur Radio Club Christmas banquet is scheduled for Saturday, December 18<sup>th</sup> at Mike's Roadhouse Charly, 2239 West State Street. There will be a cash bar at 6:00, with dinner served at 7:00 pm. Please fill out this reservation form, and return it to Mary Ann Royer, KB8IVS, with your check made out to the Alliance Amateur Radio Club. Mary Ann's address is: 6255 Sandalwood NE, Canton, OH 44721-3340.

Our menu this year will be as follows:

20 oz. Porterhouse	\$25.00
12 oz. New York Strip Steak	\$22.75
<b>Note: all steaks are done medium(?)</b>	
Broiled Scrod	\$16.95
BBQ Ribs, half slab	\$15.75

Dinners include: a vegetable, choice of rice or baked potato, salad, roll & butter, and coffee, tea or soft drink. Prices include 6.5% tax and 15% gratuity.

---

Name: \_\_\_\_\_

	# of each	Total	√ or # of each	
20 oz. Porterhouse	_____ @ \$25.00 = _____	_____	_____ Rice	_____ Baked Potato
12 oz. New York Strip Steak	_____ @ \$22.75 = _____	_____	_____ Rice	_____ Baked Potato
Broiled Scrod	_____ @ \$16.95 = _____	_____	_____ Rice	_____ Baked Potato
BBQ Ribs, half slab	_____ @ \$15.75 = _____	_____	_____ Rice	_____ Baked Potato

Total enclosed = \_\_\_\_\_

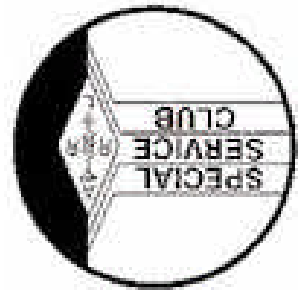
**Note:** All reservations must be received by December 4<sup>th</sup>.

# November 2004

Birthday Greetings to: K3GP, Mrs. K8OMO, KB8SKS, WB8TPG, AA8NV, KB8EUR, AB8CJ

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																											
	<b>1</b> COLUM. COUNTY TRAINING NET 8:00PM	<b>2</b> STARK COUNTY ARES NET 7PM 147.120 ARS Spartan Sprint NORTHERN COLUMBIANA ARES NET 9PM 147.255	<b>3</b> <b>AARC Meeting 7:30</b> CARROLL COUNTY NET 8:00PM 147.075 <b>K3GP</b>	<b>4</b> AARC NETS 8:00, 8:30, 9:00 <b>Mrs. K8OMO</b> QCWA Net 7:30	<b>5</b>	<b>6</b> ARRL Sweepstakes Contest, CW <b>Grant ARC Hamfest, Georgetown, OH</b> IPARC Contest, CW NA Collegiate ARC Championship, CW Ukrainian DX Contest																																																																																											
<b>7</b> DARC 10-Meter Digital Contest High Speed Club CW Contest IPARC Contest, SSB <b>KB8SKS</b>	<b>8</b> COLUM. COUNTY TRAINING NET 8:00PM	<b>9</b> STARK COUNTY ARES NET 7PM 147.120 NORTHERN COLUMBIANA ARES NET 9PM 147.255	<b>10</b> CARROLL COUNTY NET 8:00PM 147.075 <b>TWENTY OVER NINE ARC VE, YOUNGSTOWN, OH</b>	<b>11</b> <b>AARC NETS 8:00, 8:30, 9:00</b> <b>QCWA Net 7:30</b>	<b>12</b> MASSILLON NET 8:00PM 147.18	<b>13</b> JIDX Phone Contest OK/OM DX Contest, CW SARL Field Day Contest WAE DX Contest, RTTY																																																																																											
<b>14</b> <b>CUYAHOGA ARS VE, INDEPENDENCE, OH</b>	<b>15</b> COLUM. COUNTY TRAINING NET 8:00PM <b>WB8TPG</b>	<b>16</b> STARK COUNTY ARES NET 7PM 147.120 <b>AA8NV</b> NORTHERN COLUMBIANA ARES NET 9PM 147.255	<b>17</b> CARROLL COUNTY NET 8:00PM 147.075	<b>18</b> <b>AARC NETS 8:00, 8:30, 9:00</b> <b>MAHONING VALLEY ARA VE, YOUNGSTOWN, OH</b> <b>QCWA Net 7:30</b>	<b>19</b> MASSILLON NET 8:00PM 147.18	<b>20</b> All Austrian 160-Meter Contest ARRL Sweepstakes Contest, SSB EUCW Fraternizing CW OSO Party LZ DX Contest NA Collegiate ARC Championship, SSB RSGB 2nd 1.8 MHz Contest, CW																																																																																											
<b>21</b> <b>KB8EUR</b>	<b>22</b> COLUM. COUNTY TRAINING NET 8:00PM	<b>23</b> STARK COUNTY ARES NET 7PM 147.120 NORTHERN COLUMBIANA ARES NET 9PM 147.255	<b>24</b> CARROLL COUNTY NET 8:00PM 147.075	<b>25</b> <b>QCWA Net 7:30</b> <b>Thanksgiving</b>	<b>26</b> MASSILLON NET 8:00PM 147.18	<b>27</b> <b>CANTON ARC/ MASSILLON ARC VE, CANTON, OH</b> CQ Worldwide DX Contest, CW																																																																																											
<b>28</b> <b>WARREN ARA VE, NEWTON FALLS, OH</b>	<b>29</b> COLUM. COUNTY TRAINING NET 8:00PM	<b>30</b> STARK COUNTY ARES NET 7PM 147.120 <b>AB8CJ</b> NORTHERN COLUMBIANA ARES NET 9PM 147.255	<div style="display: flex; justify-content: space-around;"> <table border="1"> <caption>October</caption> <thead> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td>31</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> <table border="1"> <caption>December</caption> <thead> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td></tr> <tr><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td></tr> <tr><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td></tr> </tbody> </table> </div>				S	M	T	W	T	F	S						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							S	M	T	W	T	F	S					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
S	M	T	W	T	F	S																																																																																											
					1	2																																																																																											
3	4	5	6	7	8	9																																																																																											
10	11	12	13	14	15	16																																																																																											
17	18	19	20	21	22	23																																																																																											
24	25	26	27	28	29	30																																																																																											
31																																																																																																	
S	M	T	W	T	F	S																																																																																											
				1	2	3																																																																																											
4	5	6	7	8	9	10																																																																																											
11	12	13	14	15	16	17																																																																																											
18	19	20	21	22	23	24																																																																																											
25	26	27	28	29	30	31																																																																																											

*Drive carefully. It's not only cars that can be recalled by their maker.*



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

*(Continued from page 4)*

barded the FCC with the results. However, Armstrong never realized that the political clout of General Sarnoff and RCA could overcome any test results. The Major thought he had the summer to complete his tests. Instead, on June 27, 1945, the FCC decided on Alternative #3, with a few minor changes to bring the allocations in line with what we have today. FM was definitely at 88-108 Mc, and amateurs had a six meter band at 50-54 Mc, nestled snug between TV Channels 1 and 2.

Armstrong was stunned, but he didn't give up. As late as 1947, he was still submitting data to the FCC in regards to the effect of skip on FM Broadcasts. But it was too late. For a period of time, there were two FM Broadcast bands, as

stations in the new 88-108 Mc allocation coexisted with the older ones between 42-50 Mc, but by 1947, the old FM band was a memory, and sat waiting for TV Channel 1 to take over.

However, a new controversy was brewing. With thousands of amateurs on our new six meter band, and thousands of TV's pouring out of (mostly RCA) factories, a new concept was entering the amateur language -- TVI. In our next installment, we will look at the TV wars of the 1940's and why the ARRL wanted channel 2, instead of channel 1, eliminated.

So, until then, I hope your six meter QSOs aren't causing interference to the "Texaco Star Theatre."

*(Continued from page 1)*

in 1989. Here is a list of all those who have received the award:

1989 Jim Ferguson N8DZA  
1990 Dave Buckwalter KC3CL  
1991 Jack Bennett W8WEN  
1992 John Myers WX8G  
1993 Pam Myers N8IAK  
1994 Larry Ashburn KE8VE  
1995 Gladys Wilson KB8GIA  
1996 Don Whitaker K8OMO  
1997 James W. Wilson KB8GHZ  
1998 Mary Ann Royer KB8IVS  
1999 David Glass W8UKQ  
2000 Jerry Wheeler KG8RN  
2001 Robert L. Steele K8RLS  
2002 Samuel Eberling KC8ETZ  
2003 Joe Young KC8TAC

Well, I think I know who I'll vote for. Hope to see you at the meeting.