Annual Meeting This Month Following Monthly Meeting

It's October again and time for the AARC Annual Meeting, which will be held immediately following the regular monthly meeting. The Annual Meeting is held for the purpose of railroading, er, electing Officers and one Trustee for the upcoming year. Trustees are elected for a three year term with one term ending each year. President, Vice President, Secretary and Treasurer are elected for a one year term.

The outgoing Trustee this year is Jim Lily, N8XTJ. If you would like to hold an office, come to the meeting and speak up. Perhaps you think Bob is doing a lousy job as President. After all, they still haven't found those weapons of mass destruction. If Bob had gone over there and kept an eye on things, we would know where they are. Well, anyway, come to the meeting and help us railroad everyone for another year. If you read the minutes from last year's meeting, found on page 4, you'll see just how smoothly our railroad runs. Hope to see you at the meeting.

At the monthly meeting we will be discussing The Christmas Party, which is scheduled for December 18th at Mike's Roadhouse Charly. If you liked last year's selections, come and let us know and if you didn't then help us make selections you do like. We need your input.

Start to think about who you want to vote for Ham Of The Year. Our current Ham of the Year is Joe, KC8TAC. Joe will be collecting your votes. You need to get them in well before the Banquet so there is plenty of time to get the plaque engraved.

K8DEN Recuperating

Ray, K8DEN would like to thank everyone for their cards, calls, visits and support. He is currently recuperating at home and doesn't think he will be able to make it to the meeting for a while.

Typical Hams. They don't miss many meals. KE8VE & WA8WHP at Field Day 2004

Ye Olde Meeting Announcement

The next meeting of the Alliance ARC will be on Wednesday, October 6th, 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!

Homeland Security Radio At ACH Now Operational

Don, K8OMO and Jim McGeehen, director of protective services at Alliance Community Hospital were interviewed by Review reporter Kate Rich, who wrote an article for the October 1st edition of the Alliance Review. According to the article entitled "Ham radio helps Alliance hospital beef up security", the radio equipment has been installed and is operational. Don believes ACH is one of the first hospitals in Stark County to have the system up and running.

The article goes on to state that several members of the Alliance Amateur Radio Club have volunteered their time on Tuesday evenings test the equipment, which can only be operated by a licensed ham, so it will be ready in case of an emergency. Don told them that the equipment couldn't be allowed to just sit there in hopes that it will work when needed

Don also told the Review that the radios will provide point to point communications in the event of an emergency that takes out all other systems. He also told them that members of the club were ready to go at a moments notice.

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**
Our club home page is:
> **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

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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.

ALLIANCE AMATEUR RADIO CLUB

September 1, 2004

The regular meeting of the Alliance Amateur Radio Club was held at the Alliance Community Hospital on September 1, 2004, at 7:30 P. M., with Robert Steele, president, presiding. Secretary David Glass W8UKQ kept the minutes. There were 19 members present.

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

The minutes of the regular meeting for August were published in the newsletter. The total of the treasury balance was reported for the month. The secretary noted that the mother of Dr. Peter Lucke N8IGZ died recently. A card from the club was sent. The minutes were approved upon motion by Howard K8DXR, seconded by Jim N8XTJ.

Mary Ann KB8IVS reported the treasury balances. The report was approved upon motion by Smitty KC8TJQ, seconded by Larry KE8VE

.Old Business: The club will buy lightning arrestors for the antenna and equipment system at the hospital. The club call will be used at the station until further notice.

Bob K8RLS thanked Joe KC8TAC for being chairman of the meeting last month.

The Special Event went well. There were three contests that weekend. The certificate will show the 100th anniversary of the carnation and pictures of the carnation and the castle.

The Triathlon was held. Operators spent 32-3/4 hours on it. Information was sent to Terry N8ATZ for ARES records. The club received a thank you letter from the race director, Jennie Slimon.

A report from the EOC meeting is that they want to tie the area fire, police, and emergency units together.

Don K8OMO was at the Warren Hamfest. There was an emergency case nearby which should have been handled in a hospital sooner.

The Ohio QSO Party was discussed.

Howard KC8YIF has a new call K8DXR.

New Business: There was no information available about JOTA. Ray K8DEN was scheduled to return home from the hospital today. John KD8MQ is looking for a site for his operation in the PA QSO Party on October 9 and 10. The Akron Marathon is looking for operators. The Butler Hamfest is September 12. Dana N8DA was been injured and unable to work. The Christmas Party will be December 18, same place. The following web sites are interesting: www.hamsexy.com and www.hampage.com. David N8NLZ reported that the Salem Red Cross and some Salem club members are cooperating in assessment training. Don K8OMO reported that old designated disaster shelters have been torn down. The High School is the current shelter. Dave W8UKQ reported renewing his license on line on the FCC web site, and he received the new license eight days later.

The meeting adjourned at 8:22 PM upon motion by Smitty KC8TJQ, seconded by Howard K8DXR.

Respectfully submitted, Dave Glass W8UKQ, Secretary

Minutes Of The 2003 Annual Meeting

ALLIANCE AMATEUR RADIO CLUB

October 1, 2003
ANNUAL MEETING

The annual meeting of the Alliance Amateur Radio Club was held at the Alliance Community Hospital on October 1, 2003, at 8:15 P. M., with the Trustees, Jim N8XTJ and Joe KC8TAC, presiding. Secretary David Glass W8UKQ kept the minutes. There were 15 members present.

Elections were held as follows:

For the office of president, Bob K8RLS was nominated. He accepted the nomination. The motion to close nominations was made by Dave W8UKQ, seconded by Jim K8LTG, and approved.

For the office of vice president, Larry KE8VE was nominated, but he declined the nomination. Then Joe KC8TAC was nominated. He accepted the nomination. The motion to close nominations was made by Bob K8RLS, seconded by Howard KC8YIF, and approved.

For the office of secretary, Dave W8UKQ was nominated and accepted the nomination. The motion to close nominations was made by David N8NLZ, seconded by Howard KC8YIF, and approved.

For the office of treasurer, Mary Ann KB8IVS was nominated and accepted the nomination. The motion to close nominations was made by Jim N8XTJ, seconded by Howard KC8YIF, and approved.

For the office of trustee for three years, it was noted that John KD8MQ declined any nominations. George K3GP was nominated and accepted the nomination. The motion to close nominations was made by Jack W8WEN, seconded by Dave W8UKQ, and approved.

For the office of trustee for two years to fill the vacancy created when Joe KC8TAC accepted the nomination for vice president, Frank WA8WHP was nominated and accepted the nomination. The motion to close nominations was made by Dave W8UKQ, seconded by David N8NLZ, and approved.

Larry KE8VE then moved to close all nomination. The motion was seconded by Jim K8LTG, and approved.

Dave W8UKQ then moved for the secretary to cast the unanimous ballot for all offices. The motion was seconded by Joe KC8TAC, and approved.

The meeting adjourned at 8:17 P.M. upon motion by David N8NLZ, seconded by Frank WA8WHP.

Respectfully submitted, Dave Glass W8UKQ, Secretary

KD8MQ / WI8T to mount Dx-pedition to /BUT

As they've done for so many of the last 17 years, Allen, WI8T, and John, KD8MQ are making yet another trek to Pennsylvania for the Pa QSO Party. They plan to set up a portable station in beautiful Butler County, PA.

This year's party marks the 47th running of this, one of the largest of the state QSO Parties. The party runs from Noon, Saturday October 9th, until 6 PM, October 10th. There is an 8 hour break from 1 AM to 9 AM on Sunday morning. Entry forms, & complete rules can be downloaded at http://www.nittany-arc.net/paqso.html.

In the official rules page, there are also links to several logging programs, which are available for download.

To get an idea what the rarest counties may be for the contest, check out the KD8MQ site at http://www.myerstv.net/pqp/ . This is an unofficial PA QSO Party website, written by yours truly. We hope to see you on the air from PA. (KD8MQ)

(I asked John why they weren't going to Armstrong County as usual, a much rarer county. He said their usual operating location had been sold and they were unable to find acceptable accommodations elsewhere. Ed.)

THE WAYBACK MACHINE
ISSUE #10
by Bill Continelli, W2XOY
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In our last installment, we learned that the "UHF" spectrum above 25 Mc., which during the 1930s was populated only by amateurs, was now in the center of a battle being fought on many fronts. Amateurs wanted their 10, 5, 2-1/2, and 1-1/4 meter bands back. Major Edwin Armstrong wanted to increase the 42-50 Mc. allocation in the new FM broadcast service. General David Sarnoff of RCA wanted huge chunks of VHF space set aside for television, as well as limited spectrum for FM, a potential rival. And William Paley of CBS wanted UHF -- not VHF allocations for CBS' "color wheel" TV system, which they wanted the FCC to adopt as the television standard, in lieu of RCA's competing system. In addition to these major players, other minor characters were also clamoring for VHF frequencies -- the growing aircraft industry, police departments who were tired of the interference-prone 1700 kc. police band and wanted to use FM on vhf -- and even businesses to whom the idea of personal two- way communication was now possible. Thanks to the war and the introduction of new VHF and UHF tubes, the frequencies above 25 Mc. were now the most sought after slice of the RF spectrum.

During late 1944, the FCC held hearings on postwar VHF allocations, in which there were 231 witnesses and 4200 pages of testimony. In November 1944, the first proposal on VHF/UHF allocations was released. See if you could have lived with it...

23.5-27 Mc. -- Industrial Applications
27-29 Mc. -- Amateur 11 Meter Band (yes, that's right!)
29-43 Mc. -- Police, Fire, Emergency, and Local Government
43-58 Mc. -- FM broadcasting
58-60 Mc. -- Amateur 5 Meter Band (note only 2 Mc.)
60-102 Mc. -- TV channels 1-7 (the RCA system)
102-108 Mc. -- Non-government Emergency
108-132 Mc. -- Aircraft
132-144 Mc. -- Government

144-148 Mc. -- Amateur 2 Meter Band
148-152 Mc. -- Government
152-218 Mc. -- TV Channels 8-18 (yes, up to channel 18 and again, the
RCA system)
218-225 Mc. -- Amateur 1-1/4 Meter Band
225-420 Mc. -- Government
420-450 Mc. -- Amateur 70 cm Band
450-460 Mc. -- Facsimile Broadcasting
460-956 Mc. -- UHF Television using the CBS color wheel system

So, under this proposal, our 10 meter band was moved down 1 Mc., we would lose 1/2 of our 5 meter band, we lose 112-116 Mc. but gain 144-148 Mc., our 1-1/4 meter band stays the same, and we gain a large chunk at 420 Mc. The FM broadcast allocation is increased by 85%, police agencies leave the crowded medium wave area for VHF-FM, aircraft has their piece of the pie, and both CBS and RCA have home turfs to battle out the TV standards war. Note also the 450-460 Mc. range allocated to "Facsimile Broadcasting." For those of you who think FAX machines are a recent invention, it may interest you to learn that 60 years ago, a reliable mechanical-electrical FAX system was in use. By the mid-1940s, it was widely believed that every home soon would have a FAX machine. During the night, as you slept, the machine would be tuned to various stations in the 450-460 Mc. range and would print out the next day's newspapers, magazines and catalogues, for you to read in the morning. Another proposal was for a "Veteran's Band", which would be a 2000 Mc.-wide slice of the spectrum above 10,000 Mc. This proposed band would be available for war veterans (and ONLY war veterans) in any way they desired.

The ARRL was quick to object to the proposed allocations. It was not acceptable to amateurs to move our 10-meter band down 1 Mc., to eliminate 50% of 5 meters, and to upset the harmonic relationship of our bands by moving us from 112 up to 144 Mc. The FCC capitulated on 10 and 5 meters, as we will see in a moment. As for the 144-148

Mc. band -- the FCC was firm. 112- 116 Mc. was going to aircraft. Furthermore, the FCC wanted our amateur bands above 100 Mc. to be next to government allocations, so that in time of war or national emergency, they could be used for the expansion of essential governmental radio services. The needs of the government, per the FCC, outweighed the need for a strict harmonic relationship between the amateur bands.

Meanwhile, while the ARRL was arguing over our allocations, General Sarnoff was conducting his campaign behind the scenes. He couldn't eliminate the CBS color wheel UHF system because, at that time, CBS was producing beautiful, lifelike color pictures that impressed the FCC. But he could attack FM. A big deal was made out of the claim that FM broadcasting needed to be moved higher in the VHF range to eliminate interference caused by Sporadic-E skip. Sarnoff, of course, wanted these frequencies for TV. He never explained, and no one seemed to ask, how TV would not be affected. In fact, TV, with it's amplitude modulated video signal, would be more susceptible to "E" skip than FM with its capture effect. RCA however had power, money, and influence, and Major Armstrong found he was no match for the corporate giant.

On January 15, 1945, the FCC issued a revised allocation proposal:

25-28 Mc. -- Fixed, Mobile, Industrial, Scientific and Medical
28-30 Mc. -- Amateur 10 Meter Band
30-44 Mc. -- Police, Fire, and Various Governmental Allocations
44-50 Mc. -- TV Channel 1 (now you know where it was!)
50-54 Mc. -- Amateur 6 Meter Band
54-84 Mc. -- TV Channels 2-6
84-102 Mc. -- FM Broadcasting
102-108 Mc. -- Possible Facsimile Broadcasting
108-132 Mc. -- Aircraft
132-144 Mc. -- Government
144-148 Mc. -- Amateur 2 Meters
148-152 Mc. -- Government (note 2 meters sand-

wiched between two government bands)
152-162 Mc. -- Police, Fire, and Other Local Government
162-170 Mc. -- Government
170-180 Mc. -- Navigational Aids
180-216 Mc. -- TV Channels 7-12 (note that TV only gets 12 channels here)
216-220 Mc. -- Government
220-225 Mc. -- Amateur 1-1/4 Meter Band
225-420 Mc. -- Government, Including Military Aircraft
420-450 Mc. -- Amateur 70 cm Band
450-460 Mc. -- Air Navigation
460-470 Mc. -- A New "Citizens' Band" (which would eventually evolve into Class A and Class B CB, then into GMRS and the new FRS)
470-480 Mc. -- Facsimile Broadcasting
480-940 Mc. -- Experimental TV (for the CBS system)

Yes, this proposal sounds a lot like what we have today, but the battle was only beginning. Major Armstrong was not giving up on an FM band in the 43-58 Mc. area. He didn't want the thousands of FM receivers and dozens of stations now on the air to suddenly become obsolete. CBS was still convinced that UHF was the place for TV, and their system was the best. During the first half of 1945, the battle would rage with many more proposals to come forth.

Join us next time as "The Wayback Machine" continues to watch this epic battle.

October 2004

Birthday Greetings to: WD8PVL, WA8WHP, KD8MQ.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	**2** EU Autumn Sprint, SSB Oceania DX Contest, Phone TARA PSK Rumble Contest
3 California QSO Party German Telegraphy Contest RSGB 21/28 MHz Contest, SSB UBA ON Contest, SSB	**4** COLUM. COUNTY TRAINING NET 8:00PM **WD8PVL**	**5** STARK COUNTY ARES NET 7PM 147.120 ARS Spartan Sprint NORTHERN COLU-MBIANA ARES NET 9PM 147.255	**6** AARC Mee-ting 7:30 CARROLL COUNTY NET 9:00PM 147.075 YLRL Anniversary Party, CW	**7** AARC NETS 8:00, 8:30, 9:00 QCWA Net 7:30 SARL 80m QSO Party	**8** MASSILLON NET 8:00PM 147.18	**9** EU Autumn Sprint, CW FISTS Fall Sprint Makrothen RTTY Contest Northwest Ohio ARC Hamfest, Lima, OH Oceania DX Contest, CW Pennsylvania QSO Party SUMMIT CO AMERICAN RED CROSS VE, AKRON, OH
10 10-10 Int. 10-10 Day Sprint MEDINA TWO METER GROUP HAMFEST AND VE, MEDINA, OH North American Sprint, RTTY UBA ON Contest, CW	**11** COLUM. COUNTY TRAINING NET 8:00PM	**12** STARK COUNTY ARES NET 7PM 147.120 N8SH NORTHERN COLU-MBIANA ARES NET 9PM 147.255	**13** CARROLL COUNTY NET 9:00PM 147.075 YLRL Anni-versary Party, SSB	**14** AARC NETS 8:00, 8:30, 9:00 QCWA Net 7:30	**15** MASSILLON NET 8:00PM 147.18	**16** JARTS WW RTTY Contest Microwave Fall Sprint Worked All Germany Contest
17 Asia-Pacific Fall Sprint, CW RSGB 21/28 MHz Contest, CW UBA ON Contest, 2m	**18** COLUM. COUNTY TRAINING NET 8:00PM	**19** STARK COUNTY ARES NET 7PM 147.120 NORTHERN COLU-MBIANA ARES NET 9PM 147.255 PIONEER AR FELLOWSHIP VE, AKRON, OH	**20** CARROLL COUNTY NET 9:00PM 147.075	**21** AARC NETS 8:00, 8:30, 9:00 QCWA Net 7:30	**22** MASSILLON NET 8:00PM 147.18	**23** 50 MHz Fall Sprint W/VE Islands QSO Party
24 FISTS Coast to Coast Contest	**25** COLUM. COUNTY TRAINING NET 8:00PM	**26** STARK COUNTY ARES NET 7PM 147.120 NORTHERN COLU-MBIANA ARES NET 9PM 147.255	**27** CARROLL COUNTY NET 9:00PM 147.075	**28** AARC NETS 8:00, 8:30, 9:00 QCWA Net 7:30	**29** MASSILLON NET 8:00PM 147.18 **WA8WHP**	**30** 10-10 Int. Fall Contest, CW ARCI Fall QSO Party CQ Worldwide DX Contest, SSB WRECS VE, BENTLEYVILLE, OH
31 **KD8MQ** Massillon ARC Ha-mfest, Canton, OH						

September						
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		

November						
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				

A sandwich walks into a bar. The barman says, "Sorry, we don't serve food in here."

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

Massillon Hamfest Info

from www.kc8lin.com

The Massillon Amateur Radio Club will be holding its 44th Annual Hamfest on Sunday, October 31, 2004. The location again will be at the Stark County Fairgrounds in Canton, Ohio. Setup will begin at 6:00AM with doors to open to the public at 8:00AM. The Stark County fairgrounds are completely handicap accessible and all vendors will be inside. With over 32,00 sq feet of space, there is plenty of room for all kinds of equipment. As always, parking is free. Auction to begin at 10:00AM

Ticket information
General Admission is $5.00.

Anyone under 12 is free. Admission tickets are good for all main and door prizes. Advanced sale of tickets will offer two chances to win the main prize.

Prizes
The grand prize drawing will be at 2:30PM. You do not have to be present to win the grand prizes. Major door prizes will be drawn at 2:00 pm and you must be present to claim these prizes.

Mobile check-in
Mobile check-ins and directions will be conducted on the 147.180 MHz repeater. Someone should be monitoring the repeater from 6AM through the hamfest for directions or questions. A mobile check-in

prize MAY be given away

Vendors
There are still tables available for vendors. Reserve your spot soon! Please remember that the sale of illegal amplifiers (CB, FRS etc) or Adult Material is strictly prohibited and will not be tolerated.

Tables are $12.00 and are 8 feet long. Electricity is provided at every table for no additional cost. Please contact Terry Russ (N8ATZ) for table information.

Terry Russ N8ATZ
3420 Briardale Circle NW
Massillon, OH 44646
Phone: 330-837-3091