

Alliance Amateur Radio Club Zero Beat

Volume XX, no 7

<http://www.w8lky.org>

July 2006

Serving the Tri-County area since 1986

2006 Field Day Best Ever

The AARC held its annual Field Day operations at Marlinton Middle School for the 14th year. The weather was great, not too hot, and no hurricane force thunderstorms. The bugs weren't even that bad this year. Band conditions were generally good. George, K3GP has provided an excellent write up on our operations which can be found on page 6 with full details, but we beat last years score by nearly half again.

We need to thank not only Marlinton Middle School, but also all those who came out to operate or help out in other ways, and especially those who donated food and

other things. Thanks to Howard, K8DXR for those great ribs, and Sherry Whitaker for the beans. Also to Dawna Steele and Subway for the sandwiches, and Peter, N8IGZ for the snacks. And we can't forget John, KD8MQ who brought pop and water and Richard, KD6MPN who brought fire wood. It was below 50 degrees early Sunday morning and the fire not only warmed your Editor who was working 80 meter phone contacts but also cooked a few dogs about 3 AM. And what would we do without Don, K8OMO's truck and whoever brought the gasoline and the generator.

Section Manager Election

If you are an ARRL member, you will soon receive a ballot for Ohio Section Manager. Your ballot must be returned by August 18th. Our current Section manager is Joe Phillips, K8QOE. Joe has held that position for the past 8 years. He is running for re-election against Mark Erbaugh, N8ME.

Joe provided the Zero Beat with his ballot statement and a picture. Nothing has been received from his opponent. Here's what Joe has to say for himself:

(Continued on page 2)



Howard, K8DXR and George, K3GP runnin' up the score. Photo by KE8VE,

De Olde Meeting Announcement

The next meeting of the Alliance ARC will be on Wednesday, July 5th, in conference room 1A on the west end of the Café in the new 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

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S M Election, cont.

(Continued from page 1)

An Ohio Section Manager appoints and supervises 12 cabinet level positions and 575 ARRL field appointments - the official observers; the public information coordinators; the affiliated clubs and, of course, all of our 88-county ARES emergency programs. The Section Manager must have contacts throughout the whole state to do this effectively. The Ohio Section is the ARRL's biggest section.

In the past 22 years, I have served as Newsletter Editor for the Ohio Area Repeater Council (1984-89); as ARRL Public Information Coordinator (1989-1998) and the last 8 years as Section Manager. In over two decades of meeting and working with hams throughout this state, I have been a featured speaker in more than half of Ohio's counties (47). Thirty separate meetings in 14 separate counties in 2005 alone.

Working with others during those 22 years, I am proud of several landmarks. In 1986, I organized the first Ohio Repeater Directory (now in its 20th printing); in 1992, the first Ohio Ham Radio Newsletter contest (now in its 15th year - the only one in America); and in 1999, named the Ohio Ham of the year after the late Al Severson, AB8P, (SK) - my Elmer. Our annual Section Conference, with the famous PIZZA LUNCH, has tripled participation the past 6 years.

First licensed in 1959, amateur radio has been my lifelong com-

(Continued on page 4)

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.w8lky.org>

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.

June Minutes

ALLIANCE AMATEUR RADIO CLUB

June 7, 2006

The regular meeting of the Alliance Amateur Radio Club was held at the Alliance Community Hospital on June 7, 2006 at 7:30 PM with club president Robert Steele, K8RLS, presiding. The Pledge of Allegiance was recited, followed by introductions. There were 24 members present.

The minutes of the May meeting were published in the newsletter. The secretary then reported on the publicity contacts made to date concerning Field Day and solicited suggestions for any other publicity. John, KD8MQ and Don, K8OMO suggested contacting the Repository to have a press release published. Dave, N8NLZ suggested contacting Brant Luther as he had visited the field day site in previous years. The secretary added these contacts to the list. The minutes were then approved on a motion by Howard, K8DXR, and seconded by Smitty, KC8TJQ.

Mary Ann, KB8IVS, gave the treasurer's report. It was approved on a motion by Howard, K8DXR and seconded by Larry, KE8VE.

Old business:

President Bob reported that

Larry, AA8NV was in Ohio State University Hospital following some major surgery. He requested the secretary to send a card on behalf of the club.

Comments regarding the Breezeshooter's hamfest were generally positive, in spite of wet conditions. Also, those who attended the Dayton Hamvention also had generally positive comments.

Jack, W8WEN reported that the power line noise which has been a problem in his area is still there.

John, KD8MQ noted that he had attended the planning meeting for the Triathlon. He said that little had changed from previous years and that operators would be needed from about 8 AM until noon on that day (August 20). President Bob added that the announcement had been sent in concerning the special event station for Carnation Days in the Park.

Concerning Field Day:

---Don, K8OMO reported that he and George, K3GP were bringing their usual equipment and it appeared that other requirements were taken care of. Dave, N8NLZ noted that he had an extra tuner if needed.

---Don further noted that as far as food was concerned, his wife was going to cook beans. Howard, K8DXR volunteered to bring ribs and President Bob said he would contact Subway as last year about donating sub sand-

wiches.

---The secretary reminded the club that John, KD8MQ had found an old Mayor's Proclamation denoting a previous Field Day week as Amateur Radio Week. He then asked the club if it was desired to do this again. After some brief discussion, it was decided to approach the current Mayor seeking such a proclamation for this year's Field Day. The secretary was to contact the Mayor's office in this regard.

---John, KD8MQ discussed some new networking software he was looking at for potential use at future Field Days.

New business:

President Bob stated that a committee or volunteers were needed to arrange for a club picnic to be held in place of the regular meeting in September. After some discussion, it was decided that a good potential location for the picnic would be the cabin in Silver Park. Bob stated that he would contact the Park Board about availability of the cabin for either September 9 or 16.

Dave, W8UKQ asked the club to extend its congratulations to Jack, W8WEN on receiving a certificate from the QCWA for 65 years of service to Amateur Radio.

The meeting was then adjourned at 8:30 PM.

Respectfully submitted by Don Kingan, AB8KV, secretary.

S M Election, cont.

(Continued from page 2)

mitment. Currently I am President of the Cincinnati FM club; a member of; OSSBN, QCWA, the Cincinnati Ham Radio Hall of Fame; the Southwest Ohio DX Association and the Voice of America museum committee.

Future plans? The Section is planning an Ohio PRB-1 passed by the Ohio General Assembly and creation of a cabinet level post for increasing ARRL membership.

Please vote for Joe Phillips, K8QOE and allow me to continue as your Section Manager.



KD8MQ at 40/80 station. Photo by K8RLS



Joe Phillips, K8QOE



**Photos by
KE8VE**



THE WAYBACK MACHINE

ISSUE #29

by **Bill Continelli, W2XOY**

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Picture the following scenario, in a slightly grainy black and white for added effect. It's the 1950's; a ham is sitting at his station, having a CW QSO. He's wearing a suit and tie, before him is a Hammarlund receiver, a Johnson Viking transmitter, and a homebrew modulator. On the wall are QSL cards and his Honorable Discharge Certificate. On the table is a collection of QST magazines, along with some curious pamphlets, with titles such as "Protect Them--Join Civil Defense", "America Calling--Take Your Place in Civil Defense", "It CAN Happen Here", "Know the Signals", and even a comic book featuring a character called "Bert the Turtle". While the Vibroplex clicks away, another radio sits in the background, quietly spitting out atmospheric noise. It's an AM Broadcast receiver, one of those 5 tube AC/DC models produced by the millions. This unit--an Arvin in an Art Deco plastic cabinet--is tuned to one of two triangular markings on the dial. Suddenly, the silence is shattered by a piercing 1000 cycle tone. The ham looks up, rips off his headphones, and listens to a message. He jumps from the chair, runs to the door and yells to his wife "Grab the kids and go down to the Fallout Shelter. The CONELRAD alarm just went off".

CONELRAD, which stood for "Control of Electromagnetic Radiations", had its embryonic start in December, 1951 when President Harry Truman signed an Executive Order directing the FCC to set up a security system for all civilian radio services. Throughout 1952, CONELRAD was developed and tested and, by early 1953, it was ready. The purpose of CONELRAD was to relay Civil Defense information to the public without allowing enemy aircraft to use our radio signals as a beacon for their direction finding equipment. In the event of an emergency, all FM, TV and most AM stations would proceed with the following alarm sequence:

>>CURRENT PROGRAMMING DISCONTINUED
>>5 SECONDS-CARRIER OFF THE AIR
>>5 SECONDS-UNMODULATED CARRIER
>>5 SECONDS-CARRIER OFF THE AIR
>>15 SECONDS-1000 CYCLE MODULATED CARRIER

>>1 MINUTE MAXIMUM-INITIAL CONELRAD MESSAGE

>>CARRIER OFF THE AIR FOR THE DURATION OF THE ALERT

The remaining AM stations would shift to either 640 or 1240 kc and simultaneously broadcast a more detailed emergency message. The stations would constantly turn their carriers on and off. For example, Station A, operating on 640 kc, would broadcast the emergency message for 15 seconds and suddenly cut its carrier. The public would then hear Station B, also on 640 kc, with the same message. When Station B went silent, Station C would appear and, after a few seconds, Station A would be back on the air. This "cluster pattern" would continue until the emergency message had been broadcast. The same activity would be happening on 1240 kc. No callsigns or other ID would be given. In this way, the FCC and the Office of Civil Defense hoped to confuse enemy aircraft trying to use AM radio stations as a homing beacon.

The ARRL and the FCC realized that amateur stations might also serve as a beacon. Therefore, from the beginning, amateurs were urged to keep watch on 640 or 1240 kc, and to kill their transmitters when the alarm was given.

With the importance of CONELRAD in the early 1950's, it's surprising that amateurs were not required to monitor for the CONELRAD alarm. This was rectified on January 2, 1957 when the FCC amended Part 12 of the Rules and Regulations to require the following:

* All operators of stations in the Amateur Radio Service will be responsible for the reception of the CONELRAD RADIO ALERT by monitoring 640 or 1240 kc.

* During a CONELRAD RADIO ALERT, all operators of Amateur Radio Stations will CEASE COMMUNICATIONS IMMEDIATELY.

* Stations operating under the Radio Amateur Civil Emergency Service (RACES), and other stations specifically authorized, would be allowed to remain on the air under the following restrictions:

- a) No transmission shall be made unless it is of extreme emergency, affecting the National Safety, or the Safety of life and property;
- b) Transmissions shall be as short as possible;
- c) No station identification or location shall be given. Tactical calls will be utilized if necessary.
- d) The radio station carrier shall be discontinued during

(Continued on last page)

FIELD DAY 2006 – A RESOUNDING SUCCESS

By: George Proudfoot, K3GP

Field day 2006 is now history, and for the Alliance Amateur Radio Club, W8LKY, was the most successful field day effort ever, with 1,381 contacts resulting in 1,855 raw QSO points.

Running in class 3A Ohio, the club narrowly missed a sweep of ARRL sections, missing only the Newfoundland and Puerto Rico sections.

After applying the power multiplier of 2 for running 150 watts or less, and adding the 1,300 bonus points earned, the final score for this year's effort was a whopping 5,010 points! This is a 41% improvement over last year's 4A effort.

How was this accomplished? A lot of hard work and cooperation by many individuals was the key.



The forty and eighty meter effort, using the club's Yaesu FT-1000, was spearheaded by John **KD8MQ**, who with some help from others amassed a whopping 500 phone contacts on 40 and 80 and 6 CW contacts on 40. The antenna for these contacts was a pair of inverted V's configured in a "bowtie" arrangement with the feed point up approximately 68 feet.



The twenty meter effort using K3GP's Ten-Tec Corsair was primarily handled by Jack, **W8WEN** and George, **K3GP** with help from several others resulting in 386 CW and 132 phone contacts on that band. The antenna was a four element monoband yagi raised up in the air to 70 feet using K8OMO's crane truck.



Fifteen meters was a shared effort with Howard, **K8DXR**, using the club's Yaesu FT-920 as the primary operator on 15 phone, where 158 phone contacts were made. The antenna was a trap dipole up about 20 feet that was shared with the 15 meter CW position, headed up by Don, K8OMO as the primary operator using his Yaesu FT-890. This station made 22 contacts on 15 CW and another 58 on 40 meter CW.



The VHF position, using an ICOM IC-706, and a 6 meter yagi at 25 feet, and a 2 meter yagi at 30 feet had Joe, **KC8TAC** and Howard **K8DXR** as primary operators with some help from others. This position made 2 CW and 56 phone contacts on six meters, as well as 8 phone contacts on two meters.



The **GOTA** station, using the call **AB8KV**, using a (rig) and a ten meter five element **STERBA CURTAIN** at 25 feet was operated by Don, **AB8KV** made 53 ten meter phone contacts.



Kudos go to:

- Jack, **W8WEN** who at first was discouraged with the Writelog software but kept trying until he was comfortable and then made contacts on twenty meter CW at an impressive rate.
- Howard, **K8DXR** who doggedly kept plugging away at the 15 meter position despite the discomfort of sitting on the wooden bench for hours at a time. The ribs that Howard prepared and his family delivered were outstanding, as well.
- John, **KD8MQ** who kept the eighty and forty meter ether warm while making many contacts.
- Joe, **KC8TAC** who took advantage of great band conditions on 6 meters (despite this being a sunspot minimum).
- Don, **K8OMO** who earned the club extra bonus points by demonstrations of slow scan TV and solar powered 2 meter QSOs.



- The **entire AARC crew** that worked as a well oiled machine to prepare the site, antennas and operating positions, maintain the generators, entertain and enlighten visitors and the reporter from the Alliance Review, and efficiently dismantle everything at the conclusion of field day. The spirit of cooperation and the camaraderie was by far the best in recent memory.

W8LKY – 3A OHIO – SCORING SUMMARY (TENATIVE)

BAND	PHONE QSOs	POINTS	CW QSOs	POINTS
80	180	180	-	-
40	320	320	64	128
20	132	132	386	772
15	158	158	22	44
10	53	53	-	-
6	56	56	2	4
2	8	8	-	-
SUBTOTAL	907	907	474	948

QSO POINTS: 1,855
 POWER MULTIPLIER X2
TOTAL BEFORE BONUSES 3,710

BONUS POINTS:
 100% EMERGENCY POWER 300
 MEDIA PUBLICITY 100
 PUBLIC LOCATION 100
 PUBLIC INFO. TABLE 100
 ALTERNATE POWER 100 [5 SOLAR POWERED QSOs]
 W1AW FD BULLETIN 100
 NON-TRADITIONAL MODE DEMOS 300 [3 SSTV DEMOS]
 SITE VISIT BY SERVED AGENCY 100
 GOTA BONUS POINTS 50
 LOG SUBMISSION VIA WEB 50
TOTAL BONUS POINTS 1,300

TOTAL CLAIMED SCORE: 5,010

PREVIOUS W8LKY FIELD DAY RESULTS

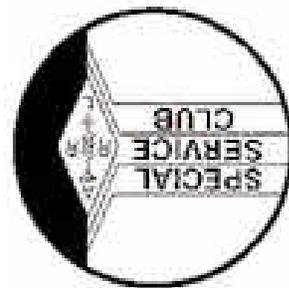
YEAR	CLASS	QSOs	SCORE	YEAR	CLASS	QSOs	SCORE
2005	4A	767	3,554	2001	5A	914	3,412
2004	4A	968	3,644	2000	4A	784	2,888
2003	3A	576	2,426	1999	4A	830	3,324
2002	4A	568	2,186	1998	4A	667	2,338

July 2006

Birthday Greetings: K8CMI, WA8NEJ

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																				
<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">June</p> <table style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <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></td></tr> </table> </div> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">August</p> <table style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr> <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> </table> </div> </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		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	<p style="font-size: 2em; text-align: center;">1</p> <p>DL-DX RTTY Contest Original QRP Contest RAC Canada Day Contest Venezuelan Ind. Day Contest</p>
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<p style="font-size: 2em; text-align: center;">2</p> <p>DARC 10-Meter Digital Contest</p>	<p style="font-size: 2em; text-align: center;">3</p> <p>Columbiana Cty. Train. Net 8 pm RSGB 80m Club Championship, CW RSGB 80m Club Championship, CW</p>	<p style="font-size: 2em; text-align: center;">4</p> <p>ARS Spartan Sprint Canton ARES Net 7pm 147.12 INDEPENDENCE DAY MI QRP July 4th CW Sprint N. Columbiana Cty. ARES Net 9 pm 147.255</p>	<p style="font-size: 2em; text-align: center;">5</p> <p>AARC Meeting 7:30 p.m. Carroll City Net 0100 UTC 147.075 MI QRP July 4th CW Sprint</p>	<p style="font-size: 2em; text-align: center;">6</p> <p>AARC Nets 8:00, 8:30, 9:00 QCWA Net 7:30</p>	<p style="font-size: 2em; text-align: center;">7</p>	<p style="font-size: 2em; text-align: center;">8</p> <p>FISTS Summer Sprint IARU HF World Championship Six Club Contest SUMMIT CO AMERICAN RED CROSS VE, AKRON, OH VK/Trans-Tasman 160m Contest, Phone</p>																																																																																				
<p style="font-size: 2em; text-align: center;">9</p> <p>ARCI Summer Homebrew Sprint CUYAHOGA ARS VE, INDEPENDENCE, OH</p>	<p style="font-size: 2em; text-align: center;">10</p> <p>Columbiana Cty. Train. Net 8 pm</p>	<p style="font-size: 2em; text-align: center;">11</p> <p>Canton ARES Net 7pm 147.12 N. Columbiana Cty. ARES Net 9 pm 147.255</p>	<p style="font-size: 2em; text-align: center;">12</p> <p>Carroll City Net 0100 UTC 147.075 RSGB 80m Club Championship, SSB</p>	<p style="font-size: 2em; text-align: center;">13</p> <p>AARC Nets 8:00, 8:30, 9:00 QCWA Net 7:30 Thursday NCCC Sprint Ladder</p>	<p style="font-size: 2em; text-align: center;">14</p> <p>Massillon Net 8pm 147.18</p>	<p style="font-size: 2em; text-align: center;">15</p> <p>CQ Worldwide VHF Contest K8CMI NOARSFEST, Wellington, OH North American QSO Party, RTTY</p>																																																																																				
<p style="font-size: 2em; text-align: center;">16</p> <p>RSGB Low Power Field Day Van Wert ARC Hamfest, Van Wert, OH</p>	<p style="font-size: 2em; text-align: center;">17</p> <p>Columbiana Cty. Train. Net 8 pm Run for the Bacon QRP Contest</p>	<p style="font-size: 2em; text-align: center;">18</p> <p>Canton ARES Net 7pm 147.12 N. Columbiana Cty. ARES Net 9 pm 147.255</p>	<p style="font-size: 2em; text-align: center;">19</p> <p>Carroll City Net 0100 UTC 147.075</p>	<p style="font-size: 2em; text-align: center;">20</p> <p>AARC Nets 8:00, 8:30, 9:00 MAHONING VALLEY ARA VE, YOUNGSTOWN, OH NAQCC 80m Straight Key/Bug QCWA Net 7:30 RSGB 80m Club Championship, Data Thursday NCCC Sprint Ladder</p>	<p style="font-size: 2em; text-align: center;">21</p> <p>Massillon Net 8pm 147.18</p>	<p style="font-size: 2em; text-align: center;">22</p> <p>VK/Trans-Tasman 160m Contest, CW</p>																																																																																				
<p style="font-size: 2em; text-align: center;">23</p> <p>WARREN ARA VE, NEWTON FALLS, OH</p>	<p style="font-size: 2em; text-align: center;">24</p> <p>Columbiana Cty. Train. Net 8 pm WA8NEJ</p>	<p style="font-size: 2em; text-align: center;">25</p> <p>Canton ARES Net 7pm 147.12 Homeland Sec Net 7:30 147.51 SIMPLEX N. Columbiana Cty. ARES Net 9 pm 147.255</p>	<p style="font-size: 2em; text-align: center;">26</p> <p>Carroll City Net 0100 UTC 147.075</p>	<p style="font-size: 2em; text-align: center;">27</p> <p>AARC Nets 8:00, 8:30, 9:00 QCWA Net 7:30</p>	<p style="font-size: 2em; text-align: center;">28</p> <p>Massillon Net 8pm 147.18</p>	<p style="font-size: 2em; text-align: center;">29</p> <p>RSGB IOTA Contest WRECS VE, BENTLEYVILLE, OH</p>																																																																																				
<p style="font-size: 2em; text-align: center;">30</p> <p>ARS Flight of the Bumblebees HAMFAIR 2006, Randolph, OH</p>	<p style="font-size: 2em; text-align: center;">31</p> <p>Columbiana Cty. Train. Net 8 pm</p>																																																																																									

Amateur radio - when all else fails ...



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

WAYBACK MACHINE

(Continued from page 5)

periods of no message transmission.

* Amateur Stations shall not allowed back on the air until the CONELRAD RADIO ALL CLEAR MESSAGE is transmitted.

With the requirement of continuous Broadcast Band monitoring, homebrew projects, kits, and commercial products began to appear to help the Amateur keep in compliance with Part 12.190. While some Amateurs simply used an AM radio, others bought or built specific CONELRAD receivers. Heathkit had the CA-1 CONELRAD Alarm; Morrow Radio had the CM-1 CONELRAD Monitor; and the Walter Ashe Radio Co. had the model CA "Conelarm". Radio Shack's first transistor radio, which sold for a mere \$29.95 in 1958 dollars, was advertised as "perfect for monitoring CONELRAD".

When Class D CB Radio was authorized in September, 1958, the rules specified that CB'ers also had to monitor CONELRAD. In the event of an emergency, all Citizen Band operators had to leave the air--there was

no RACES provision for them.

By the early 1960's, the possibility of long range enemy bombers homing in on our radio signals was becoming remote. Instead, Intercontinental Ballistic Missiles were the new threat. They didn't require our broadcast signals as Beacons. CONELRAD was becoming obsolete. Thus, in the autumn of 1962, CONELRAD was replaced by the Emergency Broadcast System. Ironically, CONELRAD disappeared right around the time it might have been needed the most--the Cuban Missile Crisis.

As the 1960's wore on, the Cold War gradually dissipated, and the Specter of imminent enemy attack disappeared. Today, only the faded "Fallout Shelter" signs, and those triangular markings on old AM radios remain to remind us of CONELRAD and the Cold War. As I write this, I can hear a Springfield Mass station on 640 khz, while a hetrodyne of Class 4 stations co-mingles on 1240. And yet, what is that I hear, faintly in the background?? A 1000 cycle tone?? Join us for the next edition of the Wayback Machine.