



FEEDBACK



JULY 2003

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JULY MEETING : IMPORTANT NOTICE

The meeting for the month of July usually is held on the first Friday of the month. However, since the first Friday is the Fourth of July, we decided at last month's meeting to hold the July meeting on **July the 11th, 2003 at 8:00 PM**. It will be held at the Massillon Senior Center as usual.

Jason, KC8LIN stated on the West Stark Info Net on June 20th, 2003 (147.18 MHz) that there will not be a net on July the 4th as well. Since the next week is the meeting(and therefore no net on meeting night) there will not be a net on until July 18, 2003, so everyone can enjoy the "Holiday" . Be sure to adjust your schedule to accomodate these changes.

SAFETY BREAK

The ONE and only Safety Break scheduled for the entire year will be held on August 8th, 9th, and 10th, 2003 on the Northbound side of Interstate I-77 at the Dover Rest area. Since this is the only one scheduled, time slots will be at a premium. At last month's meeting, a sign up sheet was passed around. If you did not sign up, you still have plenty of time. As you know the Safety Break is a major fund raiser for the club. Be sure to sign up in July....or you might miss your chance!

FIELD DAY 2003

As of this writing Field Day hasn't happened yet, but I'm sure it will be a fantastic weekend for everyone. We will not have the final score ready by the July meeting night so it will not be presented until the August meeting. It takes nearly a month of gathering all the information and getting the final report done for presentation both to the club and to the League. As in the past I will try to have it on the front page of the August issue of Feedback!

- SHORT SKIP -

Finally at long last we can now legally get on the 60 meter band with the rest of the world. Modifying your transceiver to get on this band may require cutting a couple of diodes in your transceiver. Owning a transceiver capable of transmitting on ALL frequencies is not illegal. However, transmitting on an unauthorized frequency is asking for trouble. For further details on all of this be sure to check our club's reference library for the July 2002 issue of QST, page 47. All the details are there.

73 de WB80WM

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MARC MINUTES

June 6,2003

The June Massillon Amateur Radio Club meeting was held at the Massillon Senior Center with 32 members and guests present.

MARC President Rich KA8ZQH opened the meeting at 8:05 P.M. The Pledge of Allegiance was given and a round of introductions was made.

Rich KA8ZQH then asked to suspend reading the May minutes. They were accepted as stated in the FEEDBACK by Don W8DEF and second by Tim WB8HHP.

MARC Treasurer Anne N8GAF gave the financial report. A motion was made to accept this report by Dan N8DZM and second by Byron KF8UN.

Vice President Jim WA8GXM gave the correspondence report. He told where the Hamfest and VE test sites would be for this month. He said the MARC Safety Break will be August 8,9,&10 in the North bound lane of Rt.77 south of Strawsburg. A sign up sheet was passed around.

Perry W8AU gave the highlights of the ARRL newsletter. The 60 meter band will be available to be used at midnight on July 3rd. check for frequencies available. He said Dayton Hamvention was down by 10% this year.

OLD BUSINESS

Dan N8DZM gave the Fox hunt report. Congratulations goes to Gary WC8W for finding it first. The next Fox hunt will be at Petros Park on Field Day.

Jim WA8GXM gave the results of the E-COM trailer repair-cleanup day. Everything went well, it's ready for Field Day. Field Day operators will be needed. Thanks goes to Dan N8DZM for volunteering to cook again this year.

NEW BUSINESS

Gary WC8W gave the Memorial Day Parade report. Chaplain Les Peine K8CP was the speaker at the Massillon Cemetery, he was very impressive.

Due to the first Friday in July will be the 4th. The MARC will have its meeting on July 11th.

Thanks goes to Byron KF8UN for bringing in some free pin and key chains. Also thanks goes to Skip WB8OWM for bringing in some free International Time Wheels.

Gary gave some of the results of the last VE Session. Congratulations goes to Tom Phelps KC8UDX for upgrading to Extra Class. Also Congratulations for passing their Tech exams and welcome to MARC 3 new members Sandy KC8WTP, Bill KC8WVG, and Ed KC8WVF.

For the program, Ralph K8HSQ had 1971 Field Day memories. Also Dan N8DZM and Don W8DEF had a Fox demo. Congratulations goes to Tom KC8UDX for winning the 50-50 for \$13.50.

Minutes by Linda K8MOO
Secretary MARC

As promised from last month, below are the details of the May EMA training exercise.

..... STARK COUNTY ARES PARTICIPATE IN EMA EXERCISE

Friday - May 9, 2003, the scene that played out on a runway at Akron-Canton Regional Airport throughout the day and Friday night was Director Fred Crum's worst nightmare. A Hostage. A plane crash. Mass casualties and panic. Thankfully, it was all part of a well-planned drill involving both Summit and Stark County area hospitals, emergency management agencies, more than 20 police and fire departments, and amateur radio operators. Fulfilling a Federal guideline which requires a full scale disaster drill to be conducted every three years, Friday's drill once again provided a means for both area safety forces and amateur radio operators to practice for disaster and was observed by both Summit & Stark County Emergency Management Agencies and the Federal Aviation Administration.

The elaborate scenario involved more than 500 participants, including more than 120 volunteers who pretended to be passengers and victims. The multi-county drill also tested the resources of both Stark and Summit County AREA organizations who provided twenty-four operators for the event.

AMATEUR RADIO OPERATIONS COMMENCE

Under the direction of District Emergency Coordinator James Miller - K8EIO, the call went out over the two Counties ARES Repeaters. Here in Stark County the call was received by Emergency Coordinator David Beltz - WD8AYE who had already been alerted by Stark County EMA Director Ed Cox. Thanks to a long history of cooperation with local public service officials and local EMA, Stark ARES began the call for operators to assist in the drill.

Operators were needed to support transport buses for the victims, area hospitals that would be receiving the injured, local Red Cross Chapters and the Emergency Operations Centers of both Counties. Due to the sensitive nature of the exercise, it was also decided to staff the Regional Emergency Dispatch (RED) Center since calls from concerned citizens would be received at this office as well as the County 911 Center.

The scenario called for the establishment of an alternate EOC site in Green Township located in close proximity to the disaster site. It was requested to setup amateur radio communications that would handle net control responsibilities for the entire event and where the situation could be monitored by public safety officials as well as event organizers.

Amateur's First Obstacle - there is presently no equipment installed at this site. Radio's would have to be brought in and setup to operate on the multiple two meter and UHF frequencies that would be utilized during the event. Local ARES officials immediately reviewed their call up lists, detailed lists of equipment available and resources on short notice. Magnet mount antennas could probably be used thanks to the wide area coverage provided by the counties ARES Repeaters. Summit County has a UHF system that includes multiple receive inputs that would also help. The Massillon Amateur Radio Club's Emergency Communications Trailer was also put on standby status in case additional communications support was needed. The trailer can be put into operation on short notice and comes equipped with both HF and VHF equipment as well as commercial radio's should the need arise.

As volunteers began checking in and offering their assistance another request came in, could amateurs provide a means to track metro bus movements in real time ? It had already been decided to staff each bus with a radio operator but what else could be done ? Summit County ARES has several self contained APRS stations available that could show real time positioning information via computer located at the EOC site. This would provide the tracking information requested and free up the radio operator for more critical traffic.

Aside from providing support communications between the disaster site and the EOC, amateurs also were requested to staff five hospitals in Summit County and five in Stark County that would be receiving casualties. Thanks to established Skywarn relationships at many area hospitals, they already contain permanent amateur radio stations.

Amateurs Second Obstacle - most school and commercial busses have aluminum bodies, not suitable for magnet mount antennas. Hand Held radios with only short rubber duck antennas have only limited range and even worse in a moving vehicle. A last minute improvise was securing the magnet mount antennas with the ever present duct tape. Not very pretty but it worked.

In a real life situation, amateurs could be called upon to provide almost any type of communications assistance and have to be ready to setup what ever is needed, where ever it is needed. In this exercise, amateurs were called upon to handle support communications at the disaster site, at both EOC offices and at all area hospitals where victims would be transported. Armed with this information, ARES officials had dispatched radio operators to various locations.

ARRL CERTIFICATION PAYS OFF

Many times amateurs are called upon to "shadow" event coordinators and local public service officials both during practice drills and real life emergencies. These liaisons must be well trained, disciplined radio operators who can tactfully handle the often fragile relationships between amateurs and public safety forces. Our role and

participation during these types of drills and situations isn't guaranteed, it must be earned through trust. Operators must know how to conduct themselves in these situations and be able to provide the detailed information requested quickly and on short notice.

The ARRL Emergency Communications Certifications provide an excellent means for ARES members to gain the knowledge necessary to handle these types of assignments. This Certification plus participation in public service events help to produce first responders.

The event continued throughout the remainder of the evening with amateurs providing event officials with constant updates on victim flow to area hospitals. This was primarily handled through our relationship with the Red Cross. In a real life situation, amateurs would assist Red Cross workers in victim condition and location to facilitate family notification. Amateur participation began at about 8:00 P.M. and concluded about 1:30 A.M. The event involved about twenty-four operators and totaled nearly sixty-four volunteer hours.

WHAT WENT RIGHT ?

Amateurs long standing relationships with area hospitals and most public safety forces again proved their worth as amateurs seamlessly handled their communications responsibilities throughout the event. Since 911, amateurs have been quietly assessing their capabilities and more importantly their limitations and have been upgrading their systems as well as their continued participation in public service exercises.

We have learned over years of practice what works and what doesn't when unique communications needs are requested by public safety forces.

WHAT WENT WRONG ?

This exercise was only short duration. Getting operators wasn't too difficult. But what if the event would have continued throughout the night and into the next day ? Where would relief operators come from ?

Even though most Metro Buses are communications equipped, they are not suitable for amateur operations. Aluminum bus bodies don't work with magnet mount antennas. We need some other type of antenna. Perhaps some type of J-Pole or clamp-on configuration.

We need to have established amateur stations at all area hospitals, EOC's and any other critical area. Fully equipped stations if possible but if not at least some type of external antennas and universally adaptable source of 12 volt power. Here is where the PowerPole connector system could prove very valuable.

CONCLUSION

The major difference between a practice drill and a real life emergency is time to prepare. Even though the details of the drill weren't well known until the last day, we still had time to line up critical personnel, equipment needs, responsibilities, etc. In a real emergency we won't have this advanced notice. We will have to react quickly and efficiently. Our window of opportunity to assemble volunteers and resources will happen quickly and we count on our past experience during drills to make sure we provide the right type of assistance in support of any immediate or recovery efforts during the emergency. The primary planners for this exercise were Annette Petranic, Coordinator of the Summit County Emergency Management Agency and Ed Cox, Stark County EMA Director. Both wish to thank all volunteers for their assistance during this exercise.

Dave Beltz, WD8AYE Stark County EC and Jim Miller, K8EIO District EC also express their appreciation for the volunteers efforts. The complete list is as follows. Terry Russ, N8ATZ - Summit County EOC Site, Don Finley, W8DEF - Metro Bus, Linda Finley, K8MOO - Green EOC, Jim Farriss, WA8GXM - Airport Site, Sam Marang, WA8YGR - Massillon Community Hospital, Ed Clinger, WA8DRT - Doctors Hospital, Dale Storey, KB8LWP - Mercy Medical Center, Cathy Storey, KC8EUC - Aultman Hospital, Jack Bennett, W8WEN - Alliance Community Hospital, Perry Ballinger, W8AU - Massillon RED Center, Saundy Becker, N8TZB - Massillon Western Section Red Cross, Bill Wade, KC8FLT - Canton Red Cross and Paul Burke, KB8VAS - Stark County EOC.

Summit County ARES volunteers under the direction of DEC Jim Miller, K8EIO were, Joe Sheehan, KC8UFG - Red Cross/EMA Liaison, Ken Dorsey Jr., KA8OAD - APRS Station, Tim McLeod, WB8HFZ - 146.64 ARES Repeater Net Control, Phil Bresky, WB8AVD - Portable UHF Repeater System, Ted Wands, WD8CVH - Metro Bus, John Feist, KB8UAS - APRS Station, Lester Cutlip, KC8QPC - APRS Station, David Littell, KC8LNQ - Metro Bus and Michael Shea, KC8SUJ - Metro Bus.

**73s till next time
Terry - N8ATZ**



- - - Tectopics 14 - - -

Hall of Fame Summer Activities Nearing Terry Russ, N8ATZ - Assistant Emergency Coordinator

Planning a major ARES community exercise such as the Hall of Fame Parade has been ongoing almost since the end of last years parade. Communications Coordinator Dave Beltz - WD8AYE is already working on the volunteer list for this years parade which will be held on Saturday, August 2nd. Contact Dave by phone or email to volunteer for what is our largest annual public service event.

Keep in mind that the parade Volunteer Appreciation Party is usually held about one week before the grand parade on a Friday night. That would put this years gala event on July 25th. All parade volunteers are eligible to attend this event at no charge but RESERVATIONS ARE REQUIRED IN ADVANCE !. You must contact Dave in advance to allow enough time for tickets to be mailed to you. No tickets will be handed out at the door. This is a great way to celebrate the Hall of Fame parade with food and entertainment provided.

Don't forget also the Kickoff Parade also needs communications volunteers and is again being coordinated by Dale - KB8LWP and wife Cathy - KC8EUC Storey. The Kickoff Parade will be on Sunday afternoon, July 27th.

So mark your calendars for these important public service events and get ready for a great summer !

Complete details on this years Hall of Fame festival are available on their website at www.profootballhoffestival.com.

Football 2



The Quest For Parts And Rebuilding and Spring Rains

Last time, the W8KXR management team of one, lamented the need to activate the 'Landscaping and Fertilizer Department' as early spring weather shut down radio engineering design and building projects. But, miracle of miracles, weather has been adjusted to super wet, with the happy result that the Landscaping Dept was told to take a break and put the fertilizer program on hold. So, how to take advantage of this unexpected boon to the development program at 'The Big KXR?'

Well, all was not as grand as it might seem. In the rush to design the three wire dipole, I'd forgotten Missy Marilyn (of Sticky Buns fame), has a brother in Massachusetts that needed visiting. Ok...so, twelve hundred miles later in my seven thousand pound three quarter ton non-politically correct, non green actually blue Suburban, the management team was back at the drawing boards with visions of the experimental three wire dipole starting to evolve on paper at last....but, it was not to be...at least not yet.

My son called via land line from Des Moines, Iowa, and was on his way through the area with an 18 wheeler headed for Hartford, Connecticut with almost forty thousand pounds of fruit juice for thirsty folks on the east coast. So we took the stuff to Hartford, and lived in the KW (Kenworth - - better than the finest 4 wheeler out there) for a week. Life on the road in a five hundred and twenty five horsepower machine with TV, DVD, satellite radio, two cell phones, refrigerator, bunk beds, leather air ride seats, plush carpeting, and cruise control could be the subject of a "Tructopics" (sister publication to Tectopics - - no, just kidding).

So, nearly another fifteen hundred miles later, I was back at the HQ with visions of not only the three wire dipole struggling to move to the prototype stage, but dreams of the Station's Central Electronics 200V Transmitter's return from it's rebuild by Nick Tusa Consulting down in Louisiana taking over most of my consciousness....

The CE 200V did arrive shortly, and after a couple of hours sleep...life at W8KXR appeared to be on frequency...or...track, or road, or whatever. But, yep, you guessed it...it was time to saddle up and head for Rochester, New York and the three day "Fest" held by my old Ham Club, not too far from my old home town...

The Rochester event, usually on the same scale as Breeze Shooters over in Butler, started on Friday, with good WX expected. This is usually a very excellent Fest and so it was....Met a lot of friends whom I only know through radio contacts, mostly on 160 meters, 40 meters, and via the T-368

reflector. Was great seeing these guys and swap some lies and trade some stuff. Most all are builders, and operators, and are steeped in radio lore both old and new.

Regarding what 'stuff' I found, there was a huge rotary inductor, complete with Navy quality turns counter that will be the basis for the next antenna tuner project, a vacuum variable capacitor for less loot than a tank of gas; two 4-400's to re-tube the E. F. Johnson Thunderbolt KW linear to be paired with CE 200V (more on that later), ceramic knife switches for antenna switching of balanced lines, replacement meters for the Gates Broadcast Transmitter restoration project, and a variety of small tubes, and a bag full of high quality stainless 6-32 hardware. Yeeoow! Another great day at the Fest ...!!

There were some Boat Anchors and the usual variety of high priced 'sushi and rice boxes.' But, nothing seemed to be in the realm of real excitement for the dollar. The rice boxes all looked the same with everyone thinking they were made of platinum or something. Mostly they were still there, looking a bit dusty, when I left the tables.

In the case of the Boat Anchor's...my impression was that examples have been 'picked over' and the impression that just because it's a heavy weight, it must be worth a fortune. Reality suggests, that most of the leftovers have been heavily clipped and snipped over the years with poor skill and questionable modifications...so, beware...search for quality, and know what you are looking for if you plan to go hunting for the Big Iron.

For example there were three R-390A's on one table, with even the best one needing serious rehab. These appeared to be examples of the famous Saint Julien's Creek Blue Stripers. In the first case, someone had started the rehab by attempting to repaint the knobs. The rig gave the impression of an enthusiastic start, but the size of the job eventually overwhelmed the would-be engineer. The two others were in need of even more work to bring them back alive, with one of them being touted as a 'parts rig.'

Regarding pricing, they were almost reasonable, but in my opinion they were fifty to one hundred dollars too high, based on the effort needed for rehab, if someone was up to the task. They were very good examples and could be brought to beautiful condition, but the seller took them home, with the market place sorting out reality, just as it should.

Also seen was a very good Hammarlund SP-600-JX. It too was priced almost reasonably for a receiver of that quality and condition. If one did not have such a gem, and was capable of some basic detailing, it would have been a good buy, except...for the "Expert" or "Purist" ...it did not have 'original' main tuning and band change knobs...small point you say? "I'll just visit some Fests and get the correct ones!"

Nope! You probably won't...they are basically in the class of unobtainium...which means...there just mostly ain't

none out there...ever... So, this receiver was great...except some how it had been diminished by the classic "600" knob loss gambit. Then again...depending on your view of the world, these are details and are strictly personal choices as to how you see our big toys. For some its not an issue...but, in this case the receiver went home with the seller Friday night, priced probably about one hundred dollars too high for its condition.

Oh, and by the way...these receivers were some of the best, used commercially and by the military...but, to be dependable, and avoid real problems they need to be recapped...they contain about 65 "brown or black bombers of death." These are the tubular caps that were state of the art at one time...they need to go...and there is the challenge for the big Hammarlunds. Well worth the effort, but gotta know what your looking for and what ur getting into...and maybe, when to say no, if ur soldering iron challenged.

Over all, it was a great Fest, and I plan to go back next year, even though it got rained out on Saturday and Sunday...Sometimes u win and sometimes, not. Yet, the Purchasing And Acquisition Agent from W8KXR found enough parts for the Design and Engineering guys to keep the Mega Station growing and upgrading at a great rate!

Now that the Documentation Department is hard at work on **Tectopics 14**, there seems to be a lull in the travel program, and time to daydream again. And, yes! Let's get on to the CE 200V story. I've already placed it in the number three operating position here at the Big KXR. This transmitter is quite a topic and one that could occupy several pages...not enough time or space for all of it, but basically here's the scoop.

Central Electronics was a company that formed up sometime in the early sixties...maybe a bit earlier...and among CE's several quite famous pieces of gear, was the CE 100V...and eventually the CE 200V. There were 1500 CE 100V's done in three production runs of 500 each, and only 500 CE 200V's produced before Zenith pulled the plug on this advanced equipment around 1964. These transmitters were and are unique because they are all tube, are all band pass tuned, generated SSB, AM, PM, CW, set up for RTTY and operate from 160 meters to 10 meters, includes an oscilloscope, about 100 watts input, and weighs about 75 lbs. When new, they were priced somewhere around six or seven hundred dollars, and were designed and marketed by Art Schum's Central Electronics.

For new-bee's, CE also designed and marketed some of the earliest amateur SSB gear, and it is not hard to find examples of the 10A, 10b, and 20a etc, at the Fests...they are often heard on the air, to the surprise and dismay of the Rice Box ops, because they are, when correctly operated, inherently excellent sounding SSB rigs. They were the precursors to the CE100V and CE200V's. In the case of the 100/200's they use phasing systems to generate SSB, and because they were 'band pass' tuned, these rigs, once integrated into your system, are plug and play, without need to load finals, tune drivers, and so on...and they do it from 160 to 10...excluding the WARC bands...160

was an accessory and could be added, with dial positions already marked for the upgrade. This upgrade is still available if you find one of these beauties...

My particular example came from Columbus, Ohio, where it was being used as a test exciter for the "Horizon" linear amps, back in the late sixties. I bought it from Horizon and took it to Sao Paulo, Brasil, where I used it for two years on nightly schedules with my Dad WB2MQF up in the Rochester, New York area. When we got back from that assignment, it operated almost nightly from Massillon to Rochester until it was finally shut down, for our move to North Carolina in the early '80's. It was stored from about 1980, until we came back to Ohio in 1992, having lived in a crate in several warehouses, before it was unpacked and tentatively placed in the early stages of rebuilding the BIG KXR. It was still operating, when I checked before the rebuild, but the Collins style PTO had frozen up with the late sixties type lubrication available in those days...The lubrication question is one of several classic rebuild needs for this rig. It was really time for a thorough update. So, off to Tusa Consulting for restoration earlier this spring.

Nick Tusa was the engineer who worked closely with Art in the design of the CE equipment. He acquired the NOS parts and stuff from Zenith when Zenith closed the CE division. Nick did the rebuild and will work on most of the CE equipment. The rebuild is fantastic, with even a powder coat paint job on the original cabinet. It is now placed in the operating position and is ready for a dummy load check out and connection to the Johnson Thunderbolt linear (pair of fresh 4-400's from Rochester).

It will be paired with the same Collins 75A-4 that also went to Sao Paulo with me...for a recreation of my authentic DX station. And if all goes well, and the Engineering Dept. continues to avoid the Landscape and Fertilizer dept., this combo will be on the air for some heavy weight SSB by late summer. The 'A4' is being moved this weekend...and will set the stage for integrating it into the station...with the CE 200V.

So, there you have it, a few thousand miles since the last Tectopics, some progress, some history, some daydreams, from the management at the Big KXR...There is lots more to tell, more adventures and more projects, Lathes, development of operating position number one, the inverted L andOh, Ohh...gotta run! I hear Missy Marilyn calling from the galley (kitchen). She's issued orders to the "Excavation and Carpentry Department" to build a "Kitchen Garden" for her herbs and stuff, just outside the kitchen door. It's right next to the 10 meter vertical... might have to move some guy lines...and that's where the feeder for the Oh, Ohhh....another call from Missy coming through...

Darn, and the sun is shining too...sure hope it rains again real soon...gotta recap the PS on the 75A-4, put the 4-400's in the Thunderbolt, and hook up a classic commercial Mic obtained recently from the station manager over at W8AU for the 200V. What a combo...!!

Yippeee it's clouding over!! And, and, it's Raining by the bucket ... !!!!

From the "Weather and Rain Gauge Dept." at the Big KXR

De W8KXR 05/Jun/03

JULY SPECIAL EVENT STATIONS THANKS TO JASON KC8LIN

Warren, OH: Warren Amateur Radio Association, W8P. 1400Z Jul 1-2000Z Jul 31. 4th Annual Packard Museum Car Show. 28.450 14.260 7.260 3.860. Certificate. WARA, PO Box 809, Warren, OH 44482. Dayton, OH: Huber Heights ARC and Clark County ARA, W8I. 1000Z Jul 3-1900Z Jul 6. From the US Air Force Museum, in honor of the 100th anniversary of flight and the two Wright brothers. 28.403 21.303 14.303 7.230. QSL. W8I,c/o Jim Ebner, N8JE, 5861 Fishburg Rd, Huber Heights, OH 45424-4253. <http://www.hharc.org/>.

Cleveland, OH: NASA Glenn ARC and NASA Visitor Center Station, NA8SA and N8VC. 1300Z Jul 3-0000Z Jul 20. Celebrating Ohio's Centennial of Flight. 28.480 21.380 14.280 7.280. Certificate. NASA Glenn Amateur Radio Club, 21000 Brookpark Rd MS 8-1, Cleveland, OH 44135. <http://www.grc.nasa.gov/WWW/Clubs/NA8SA/>.

Van Wert, OH: Van Wert Amateur Radio Club Inc, W8FY. 1500Z Jul 4-2300Z Jul 5. Little Red Caboose from Van Wert Museum for Holiday at Home. 28.470 14.270 7.270 7.045. Certificate. VWARC, PO Box 602, Van Wert, OH 45891.

Thompson, OH: Lake County Amateur Radio Association, N8GB. 1400Z Jul 4-0100Z Jul 5. "Heritage of Our Country"—Happy Birthday America. 28.450 21.350 7.246. Certificate. George R. Bair, 386 Cedarbrook Dr, Painesville, OH 44077.

Ashland, OH: Ashland Area Amateur Radio Club, W8O. 1300Z Jul 5-2000Z Jul 6. Ashland BalloonFest 2003. 7.250. Certificate. AAARC, 834 CR 30A, 432 Center St, Ashland, OH 44805.

Wapakoneta, OH: Reservoir Amateur Radio Association, K8QYL. 1300Z-2000Z Jul 19. Celebrating the Neil Armstrong Festival of Flight. 28.450 21.350 14.235 7.230. Certificate. Walter Vogel, WB8FNB, 14455 Co Rd 66A, St Marys, OH 45885.

Springfield, OH: Independent Radio Association, K4H. 1400Z Jul 19-0400Z Jul 20. Commem-orating Year 101 of 4H. 28.410 21.260 14.260 7.230. QSL. Independent Radio Association, PO Box 523, Springfield, OH 45501. Tiffin, OH: Seneca Radio Club, W8ID. 1600Z Jul 20-2359Z Jul 27. Ohio Bicentennial—First Ohio Governor, Edward Tiffin. 21.350 14.250 7.250 3.875.



Fox Report

Sunday June 8th was our last Fox Hunt and the first with multiple Foxes. This time we had two transmitters running at the same time on the same frequency.

This was a lot harder than I had expected with the signals interfering with each other. Gary WC8W and Rich KA8ZQH were the two hiders. Gary hid his Fox in Massillon's Community Park on the Southeast outskirts of the city. While Rich hid on private property and know one knew they could go into that property.

We had a Fox Hunt during Field Day using three Foxes this time. Everyone had lots of fun running all around Petros Park looking for them. It is awful hot in mid afternoon to be running around the city after these Foxes on a Sunday. I think a temporary change is due and maybe we could have a little different participation. So the next Fox Hunt will be Saturday evening July 12th at 6:00 with everyone meeting at the Club. Anyone is welcome to try hunting whether your a club member or not (no hunting licence required).

Dan N8DZM

HAVE A SAFE AND HAPPY 4th of JULY



IN MEMORY OF

Mr. Russell T. Hamilton

Mr. Russell T. Hamilton, father of Dennis Hamilton, N8UDL, passed away on June 16, 2003. He was born on June 8, 1927 in Byesville, Ohio and he lived and worked most of his life in the Canton area.

Most of you did not know Mr. Hamilton, but those of us who did will remember him as the kind and fatherly figure in Dennis's life, always to share in his endeavors.

There were no calling hours just a simple graveside service on June 18, 2003 at the Warstler Cemetery with the Rev. Ronald L Bryant Officiating.

Our condolences goes to Dennis, his family and Friends.



5 MHZ REALLOCATION REPORT

When the five new 60-meter channels become available to US Amateur Radio operators at midnight (12 AM) local time on July 3, the rules will impose a new record-keeping requirement for hams. The requirement applies only to those using something other than a half-wave dipole on the 5 MHz allocation.

According to Part 97.303(s), a half-wave dipole on the 5 MHz allocation will be presumed to have a gain of 0 dBd. Amateurs using other antennas must maintain in their station records either manufacturer data on the antenna gain or calculations of the antenna gain.

Because the new rules also require hams to run no more than 50 W effective radiated power (ERP) on the new channels, the choice of antenna becomes important. The FCC rules says "For the purpose of computing ERP, the transmitter PEP will be multiplied (by) the antenna gain relative to a dipole or the equivalent calculation in decibels."



July 2003

Monthly Planner

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																								
<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr><th colspan="7">June</th></tr> <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>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr> <tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr> <tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr> <tr><td>29</td><td>30</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>		June							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						<p style="font-size: 2em; color: #800000;">1</p> <p>BD KC8JLX</p>	<p style="font-size: 2em; color: #800000;">2</p>	<p style="font-size: 2em; color: #800000;">3</p> <p>7:30 PM QCWA (Chapter 21) Net, 147.180</p>	<p style="font-size: 2em; color: #800000;">4</p> <p>Meeting moved to 11th</p>	<p style="font-size: 2em; color: #800000;">5</p>							
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Please contact KA8ZQH to add,delete or change Calendar