



FEEDBACK



VOLUME 56 ISSUE 12

DECEMBER 2011

**MASSILLON AMATEUR
RADIO CLUB OFFICERS**

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MRN NET Tue, Thur & Sun
8:30PM 3.60 MHz

WEST STARK INFO NET
FRIDAYS 8:00 pm
147.18 MHz
(except 1st Fri of month)

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---SHORT SKIP---

Hey Bunkey, how's come the banks leave their vault doors open and then chain the pens to the counters? May the joy of Christmas be with you and your family throughout a blessed and peaceful New Year.

73 de WB80WM



DECEMBER MEETING

The meeting for the month of December will be held on December 2, 2011 at 8:00 PM at the Massillon Senior Center in downtown Massillon.

This will be an all important meeting as we must elect a new Vice President and a new Trustee. Current Secretary and Treasurer will be asked if they wish to retain their seats for another year. Qualifications for Vice President are: a candidate must be a member in good standing for two and a half years, and be a licensed Amateur Radio Operator of any Class. So this will open a lot of good people to become an Officer of the Club that had previously been restricted by License Class. We will have the complete membership availability list at the meeting.

Know anyone you would like to see as an Officer of MARC? Be sure to attend the meeting on the 2nd and nominate him (or her) to the office.

See you at the meeting !

OUTGOING PRESIDENT WADE HUTHMACHER WD8MIU

We would like to take this opportunity to thank our outgoing 2011 President, Wade Huthmacher, WD8MIU for his leadership throughout this year. Through his leadership we had a very good year, Hamfest, Field Day and many other fine events throughout the year. So from all the membership and fellow Officers,

THANKS Wade !

DUES ARE DUE !

With the coming of December this means that the fiscal year for the Club is ending and Dues are now coming due. But don't worry, you will have until the first Friday in March to pay the dues! This year we had an increase so for a full membership dues is now \$ 15.00. The XYL and any licensed child of members (who wishes to be members of the Club) is just \$ 7.50. So see the Treasurer at the meeting and pay now so you don't forget !

MARC MINUTES November 4, 2011

The Massillon Amateur Radio Club monthly meeting was held at the Massillon Senior Center on Friday, November 4, 2011 with 32 members and guests in attendance.

After a round of introductions, Wade WD8MIU postponed the business meeting until after the evenings' program.

Mike KD8ENV, with a second by Ralph K8HSQ, made the motion to suspend the reading of the minutes and accept them as printed in the Feedback. Motion passed.

Old Business:

Annual Banquet – Dan N8DZM, with a second by Terry N8ATZ, made a motion that the dinner be held at the Perry Grange on Jan 7, 2012 at 6 p.m. Dinner to include two meats with fixings. Motion passed.

Hamfest – Gary WC8W gave tentative numbers on the Hamfest.

Membership – Don W8DEA and Sam N2TJX reported on possible events including the Boy Scouts Buckeye Council.

New Business:

Congratulations to Stephanie Nikishin KD8RDN on passing her Technician exam and Jeff Gortney KC8CFM on his upgrade to General at the hamfest.

Mike & Joann Gorman (KB8ZN & AB8DM respectively) joined the club. They are returning / former members.

Upcoming officer election was discussed. Nominations are being accepted. The Vice President and one Trustee position need to be filled. Voting will be held at the December meeting.

Software for production of the club's newsletter was discussed. Options are to be explored by Gary WC8W with the assistance of various club members on the possibility of moving to a newer software package.

Program: Don W8DEA gave a video presentation about the FEMA organization. He also showed photos taken while he was on deployed with FEMA.

50/50 was won by Andrew WB8WFO for \$16.50, which was donated to the club radio fund.

Mike KD8ENV, with a second by Andrew WB8WFO, made a motion to adjourn the meeting. Motion passed.

Respectfully submitted by Robert AC8GE

... FIELD DAY RESULTS ...

The ARRL has officially released the scores from this years Field Day exercise and as submitted the clubs final score was 4,290 points on 1,179 QSO's placing us 87th in the US in Class 2A. A hearty congratulations to everyone involved in helping us achieve another great operating event. While our score was down slightly from last year (by only 200 points), it was still a successful event and I know everyone had a great time. The Canton club again scored very well garnering 9,648 points on 2,522 QSO's. This placed them 17th in Ohio. Well done guy's.

Class 2A is a tough category to compete in. It always has the most entries with 387 this year. The Ohio Section also has the most participation with 134 scores submitted this year. We are in good company and we placed very well considering we are in the toughest category in the US !. It won't be long before we will begin planning for next years event, lets work together to make it another great club event !.

... HAMFEST REPORT ...

Our annual hamfest is over for another year and I'm happy to report that we had another successful club event. Table rentals were solid, attendance was strong and everyone I talked to continued to say what a nice hamfest we continue to sponsor each year. While I would have liked to have seen higher attendance, we have to realize we are a smaller size hamfest compared to other clubs. Table vendors reported decent sales which was good to hear. We even had some new vendors attend this year including Radio Sales from Ashland, a dealer that carries the new line of Wouxun handhelds. We especially appreciate the prize donation from them of a nice dual band HT as a door prize. They sold several HT's during the day and it was nice to have a new equipment dealer attend this year.

Thanks to all the club volunteers, YL's and XYL's who also helped to make this year's event another success.

... HOLIDAY PARADE ...

The club just finished assisting with the 56th Annual Massillon Holiday Parade which brings to a close the club's public service season. A full wrap-up should appear elsewhere in this issue from event Communications Coordinator Perry – W8AU. Again this year we were asked to support two major areas of the parade, staging of the nearly 100 units that comprised this year's parade and Parade Marshals that helped keep order along the parade route.

Perry reported 24 volunteers which included club members and family & friends who also helped as parade marshals. A full listing of all volunteers will be posted on the club's website. Nice job everyone as we continue to support one of the longest running public service events handled by the Massillon ARC !.

I was able to record the replay of the Parade broadcast on Massillon Cable TV and perhaps we can replay a portion showing the club's EComm Trailer proudly part of the parade units again this year !.

.... WEBSITE STATS

Again this year the club's website was a popular place with over 1,500 visits during the year. This equals about 5 visits a day to the site which tells us that it continues to be a good source of information to the club and beyond. Maintaining the site continues to be an ongoing challenge with several hours devoted each week adding new material, removing old and archiving material and general maintenance. Our hosting service has continued to perform well with no site downtime reported this year as well as providing us with nearly unlimited storage space and bandwidth. Currently the site is about 250 MB in size including the many graphics, pictures and archive of newsletters that stretch back to 2000.

I hope you get a chance to check out the YouTube section of the homepage. Throughout the year we continued to post interesting video's relating to ham radio and other topics. We recently posted video's to celebrate the 236th Birthday of the United States Marine Corps and a special one to pay tribute to our Military on Veterans Day. Let me know if you find something interesting you would like to see posted, after all it is the club's website !

Don't forget the clubs Facebook page is always available where everyone, member or not can post items if interest or comment on club activities. Let us know how well you liked a recent program or event.

As I put the finishing touches on my last column for 2011, I would like to take this opportunity to wish you all a very Happy Holiday season. Also a thank you to the club officers for their solid leadership this year and to the membership for their continued support of our great organization. We enjoyed fun meetings and many great programs again this year and I look forward to 2012 !

Very soon I will once again activate the Holiday Page on the club website. Again this year I found some fun new items to post including more holiday music, video's, gift ideas, great holiday food recipes and some neat Christmas gifts that any ham would like to see under the tree.

The Holiday Page is our gift to you, the members of the club and the many friends and visitors who regularly visit each holiday season.

Happy Holiday's to you and yours and I hope to see many of you at our January banquet !

73's
Terry – N8ATZ

KB6NU COLUMN

(Ed. note: Because of space permitted we could not bring you last month's KB6NU column, instead they are both in this month's issue)

KB6NU's Column for October 2011

You Can Enjoy Contests Even If You're Not a Contester By Dan Romanchik, KB6NU

I often talk to guys who say that they're not contesters. Some even go so far as to say that they hate contests. I'm really not a contester, either, but I do enjoy operating them from time to time. There are several ways to enjoy amateur radio contests even if you're not a "contester.

"This weekend, for example, the CQ World-Wide (CQWW) SSB DX contest was being held. As usual for a Saturday morning, I was down at WA2HOM (www.wa2hom.org), our club station at the Ann Arbor Hands-On Museum (www.aahom.org). Now, the museum is only open from 10am - 5pm on Saturdays, so there's no way I'm going to score very highly in the contest, but I still decided to participate.

What I did was take advantage of the contest activity to add countries to our DXCC list. Over two hours of operation, I managed to make 63 contacts, including at least five new countries. The new countries that I added to our log included Iceland, Northern Ireland, Scotland, the Cayman Islands, and Madeira Island.

None of these is rare DX, but for whatever reason, we hadn't worked them before. Now, we have. In addition, some of the big contesters will travel to exotic locales and operate from places that normally have no or few ham radio operators. Contests are good opportunities to get those countries in your log.

Operating in a contest is also a good test of your radio and antennas. It's true that contest signal reports are basically meaningless, but if DX stations regularly hear you on your first or second call, then chances are your antennas are working well. If they're continually asking for repeats or never hear you at all, it's a good bet that you need to do some antenna work.

Working a contest can also improve your operating skills. In a CW contest, for example, the good ops are generally operating at 25+ words per minute. That's OK, though, because it forces you to copy that fast, and because you know what the exchange format is, you pretty much know what characters to expect. Try it sometime. You'll be surprised at how fast you can copy during a contest and how much your CW speed improves.

If none of the above reasons convince you, and you're still a bit apprehensive about jumping into one of the bigger contests, let me suggest that you try one of the smaller contests. State QSO parties, for example, are a lot more laid

back than say the ARRL Sweepstakes. The CW speeds are a lot lower and the phone contacts are a lot less intense. You may even learn something about a particular state's geography. You will for sure learn a lot of county names.

It's all about having fun. And you can have fun in a contest, even if you don't have the time or the equipment to be competitive.

—————When not worrying about the proper county code for Goochland County, Virginia, Dan blogs about ham radio at www.kb6nu.com, teaches ham classes, and ragchews on 30m and 40m CW. You can e-mail him with comments or questions at cwgeek@kb6nu.com.

KB6NU's November 2011 Column

Carving Out Time for Ham Radio BY Dan Romanchik, KB6NU

On a recent episode of This Week in Tech (www.twit.tv), Leo Laporte, W6TWT, mentions ham radio, and a guest asks him how much time he is spending on the air. Leo, who just recently got his Tech license says "Zero!" and laughs.

This is not uncommon. Lots of people seem to get a ham radio license and then do very little with it. I think one reason for this is that they don't take into account how much time the hobby really can eat up.

They get their ticket because it seems like a cool thing to do, but then they have to carve out some time to actually be a ham radio operator. Even if you don't make any of your own gear, setting up a station takes time, and then there is the operating time, of course. Carving time out of busy schedules—and I would guess that Laporte has a pretty busy schedule being the owner of TWiT—is a challenge.

I see things like this all the time. At one ham radio club meeting that I attended, the club vice president asked, "OK, here's the question of the month. How many of you actually got on the air in the past month." Less than half of those in attendance raised their hands. Geez, I thought to myself, why do they even bother to come to meetings if they don't get on the air?

Making time for ham radio

So, if you're a busy person, how do you make time for ham radio? Well, being the Internet geek that I am, I Googled, "making time for things you love." I got a lot of links to sites that talked about work-life balance and some new-age blogs, but none of them offered much in the way of concrete advice.

Then, I Googled "make time for hobbies" and right off the bat, I found two good articles—7 Creative Ways to Make Time For Your Creative Hobby! (<http://www.exploringwomanhood.com/homelife/hobbies/maketime.htm>) and 5 Ways to Make Time for Your Hobby (<http://o5.com/5-ways-to-make-time-for-your-hobby/>). Both articles offered very similar advice.

Here are four points that both made:

1. Schedule it. Set aside a specific time during which you're going to do ham radio. Don't let that time get pre-empted.
2. Designate a place in your home for ham radio. Having to set up your radios or dig out your tools every time you want to operate or build something is not much fun and wastes a lot of time. Having a "shack" and a workspace designated for your projects will let you spend more time on the fun stuff.
3. Partner up. Arranging to work with another ham will make it harder to blow off ham radio for some other activity. Besides, it's a lot of fun to do things with other hams. If you're a newly licensed ham, find an Elmer. There really are plenty around who would be willing to help you.

4. Create a project plan. Setting up an amateur radio station is no small feat. Breaking it down into smaller chunks will make it seem more doable, and you'll get a feeling of accomplishment when you meet your in-between goals.

There's so much to learn and do in amateur radio that it can seem quite overwhelming. I think that's one reason why so many Techs never really get into the hobby and why some experienced hams drift away. I think if you follow the advice above, though, you'll not only find the time to pursue amateur radio, but get a lot more out of it

=====When he's not down in his shack, working with a friend on yet another amateur radio project, Dan writes amateur radio study guides. You can find them on his website at www.kb6nu.com/tech-manual. Make some time to e-mail him at cwgeek@kb6nu.com

MERRY CHRISTMAS !



MARC AWARDS BANQUET

At this writing there is not too much information available. It looks like we do have our intended date of January the 14th confirmed. The banquet will be at the Home town Buffet, 4758 Everhard Rd NW (Belden Village). We will have the "back" room that is capable of holding at least 80 people. I am told this room is capable of closing off to the rest of the restaurant and we will have complete privacy.

Cost will be around \$ 12.00 ?? per person and payable upon entering the restaurant. The Club will not collect money for the dinner you must pay it directly to the restaurant.

I am sorry I don't have any other information. As it becomes available we will announce it on the Friday night West Stark Info net and at the December meeting.

President Letter for the December Feedback

I hope Everyone had a Great* Thanksgiving with their Families and took time to think of everything they were thankful for and gave thanks.

Speaking of being thankful, as President of the Massillon Radio Club, I'm thankful for the people who give their personal time to volunteer for all the service items we take on as a club. Without the volunteers the officer wouldn't be able to handle all these events, and the community along with the ham operators will be the losers.

If you haven't volunteered to help you have no idea the fun your missing out on and the Reward feeling you have knowing you help Stark County shine once again.

I was out of town on business this past week-end and wasn't available to help with the Massillon Christmas Parade. But Perry said that everything went well and it was another successful event.

This was the MARC last Volunteer event for 2011. December 1st will be here next Thursday and than we will only have 24 shopping days left until Christmas. That also means we will only have 31 days left in the year of 2011. WOW has this year gone by fast. Remember we have our December meeting this coming Friday Dec 2nd @ 8:00 PM at the Senior Center in Massillon on Lincoln-way by the Chase Bank.

Feel Free to come early and visit with the rest of us that come early. The doors are open at 7:00 PM. Also this month we will be electing new officers for the 2012 season. Please come really to help us put our officers in place for another Great Year.

Also make note that we will be having our Annual MARC Awards dinner on Jan. 14th @ the Hometown buffet.

Upcoming Hamfest in the near future Jan 2012 Tusco and Feb 2012 Mansfield.

I want too Wish Everyone a Merry Christmas and Happy Holidays.

de WD8MIU Wade

TROLLEY COMMUNICATIONS



AND

A LARGE ELECTRIC TRAIN LAYOUT ?

The Electric Trolley system, started in the late 1800's, later known as the Northern Ohio Traction and Light (N.O.T. & L) provided public transportation from Cleveland to Uhrichsville passing through towns Uhrichsville, New Philadelphia, Dover, Strasburg, Justus, Navarre, Massillon, Canton, Akron, Cuyahoga Falls, Bedford, Macedonia, Northfield, and Cleveland and other smaller towns along the way. N.O.T & L was a merger of many smaller trolley companies from the late 1800's to the early 1900's. The N.O.T. & L system is described in detail in a well written book titled [The N.O.T. & L Story](#) by authors [James M. Blower and Robert S. Korach](#). Quotes used in this article are from [The N. O. T. & L Story](#) book.

Early communications used on the railroad was telegraphy; however the trolley system used a newer technology for the era described in the following paragraphs from the [N.O.T. & L Story](#), pages 12 and 13.

Quote "The importance of the AB&C line (Akron, Bedford, & Cleveland) to the soon-to-be-developed interurban industry cannot be emphasized too much. In the legal field they established the right of eminent domain. In the mechanical field they were of great assistance to the development of the compressor. Their demand for A.C. transmission equipment greatly speeded up the research in this line and they helped to establish the substation system for interurban railway use.

Another AB&C innovation was the use of telephones for controlling train movements. It had been evident that the steam road method of using the telegraph agent would not work as there were very few towns where business would justify agency stations. Since they were fundamentally a passenger line with no high revenue freight, the AB&C resolved to try out the telephone, then in its infancy. The system evolved was to have the train crew communicate with the dispatcher, rather than the other way around.

The pattern established was to proceed on the right of way unless altered by train orders due to slowness, extra trains, or other reasons. The orders were picked up at Silver Lake Junction or by telephone at the various sidings or other key points. Conductors would call in to obtain the orders. The whole process was a radical innovation and the government became so interested in the project that they built a large brick telephone testing station along the line a few miles north of Silver Lake

Junction. The building unfortunately burned down a few years later and its facility was only partly re-instituted in the Ohio Bell Telephone Building in Cuyahoga Falls.

The center of the communications system was at the Dispatcher's office, originally located in the middle of the Silver Lake Junction Wye. As there was no extensive public telephone system, the AB&C maintained its own. It was divided into six circuits and was composed of regular circuits, supplemented by jacks every half mile for plug-in phones which automatically called the Dispatcher. Even though the line was shut down from 2:00 AM to 4:00 AM daily the Dispatcher still had to handle 70 scheduled trains daily in the territory between Silver Lake Junction (Akron) and Miles Avenue (Cleveland)." Unquote AB&C was merged into the N.O.T.&L.



While Amateur Radio mostly uses radio frequency to communicate, there are many times throughout history that the telephone lines were or are in use. Examples include: the phone patch either through HF bands or repeater auto-



patch. Telephone lines were used on repeaters in the 1960's and the 1970's to connect remote repeater sites between receiver and transmitter. The internet today can be used to connect a computer to a remote HF transceiver even in another state. It is interesting to note that the two forms of communications used by the steam roads and the trolleys, telegraph and telephone system, played a part in the future of amateur radio.

The book mentioned that, on June 9, 1930 there was a big breakup of the N.O.T. & L system and the start of the Ohio Edison System (Power Only). In the local area the company is now called First Energy. The history of power generation and conversion to 600 volts DC used on the N.O.T. & L. system is described in the book. Shown are maps of the routes of the areas served. The trolley systems disappeared from the area in the 1940's. Electric bus transportation temporarily used the overhead wires, which was later abandoned.



Back to part of the Title, A Large Electric Train Layout ?

Sure enough, due to the massive amount of electric lines, known as catenary wires, (very long extension cords) running above the trolley tracks, and the fact that the trolleys used electric motors. A slightly..... Large layout that may not fit around the Christmas tree. However, there are scale models available. The many possibilities for modeling of Trolleys include the use of the overhead wires (low voltage 12 volt DC version). You may even wish to design a scale version of the original telephone communications, maybe using the kitchen as the central office and ask the dispatcher to provide nutrients while keeping the trolleys running on schedule. [Let me know if this works!](#)

With reference to the Trolley picture above, did you notice that many of the new automobiles have that little Trolley pole on the rear of the roof? Do you suppose that may eventually grow into an electric car? History can repeat itself !

YES VIRGINIA, THERE IS A SANTA CLAUS

Little Virginia may have had her doubts back in 1911 but we of MARC know its true! Last Saturday, November 19, proved it (as it has every year since the late 1960s) when he came gliding in on his sleigh at the end of our Annual Christmas Parade. But as Santa's helpers, we are owed a big thank-you for making his entrance possible.

In an upgraded Parade Marshall program promoted by Police Capt Joe, WD8BGW, we staffed 14 positions along both sides of downtown Lincoln Way, in front of yellow caution tape "holding back" the many hundreds of kids straining to run into the parade to collect randomly tossed candy. (holding back? In your dreams!)

All this was in addition to the regular 8th Street Staging area requiring 12 paper-shuffling Assemblers tasked with keeping order (instead of chaos) in the revised 6 section arrangement, (also promoted by Capt Joe). The revision was to alleviate as much as possible the effect of drivers going around the barriers and coming through the side streets into the parade area. The parade flow was reversed from the front sections leaving first and back sections last-to the last sections leaving first, clearing the back areas of assembly early so that errant car "drive throughs" would have little effect.

This new system did help, but will be tweaked a little for next year's affair. Much credit goes to our hardy group for adapting to the new arrangement and making it work. Over and above all these improvements it would be nice in the future if the Staging group had HTs that covered 70 cm (442.85) so our UHF repeater located a few blocks away atop Community Hospital could be used. Something to work on, even for Parade Marshalls.

Many thanks to the following for their selfless assistance:

STAGING: Coordinator Perry-W8AU, Robin-N8EBS, Steve-KD8ACF, Mike-KB8ZN, Igor-K8INN, Anne-N8GAF, Don-W8DEF, Bob-N8KXO, Jim-WA8GXM, Terry-N8ATZ, Dan-N8DZM, and Joann-AB8DM.

PARADE MARSHALLS: Robin-N8EBS, Robert-AC8GE, Bud-WA8KWD, Steve, KD8ACF, Jim-WA8GXM, Tom-KC8QOD, Bruce-KC8RKS, Don-W8DEA, Igor-K8INN, Linda-K8MOO, Don-W8DEF, Chrliie-KB8STV. Plus four non-hams: John, Diana, Don Wade's daughter and Bruce's friend (I apologize for not getting names).

TV LIAISON: In Jason's absence, Don-W8DEA subbed.

POLICE LIAISON: Capt Joe WD8BGW

MARC ECOMM TRAILER ENTRY: Jim-WA8GXM and Terry-N8ATZ decorators, and driven by Ralph-K8HSQ.

As you notice, five of the staging crew did double duty by hustling downtown to do Parade Marshall duty - Robin, Steve, Igor, Don W, and Jim.

You will also see that out of the 26 people needed (excluding Capt Joe) we provided 17 hams with five doing double duty, filling 22 positions, and the four non-hams making up 26; Non-members Bud-WA8KWD, is a former associate of mine and Ralph's at First Energy, and Robin-N8EBS was "reactivated" by her Dad, W8AU. We had only two club members not present.

Missing from our lineup was our "Oscar Award winner MIKE KD8ENV, who was not able to sign up. His colorful performance on TV two years ago sealed his notoriety! We missed ya Mike! Some of our other regulars were not able to help also, which led to our frantic emails prior to the parade. In the past we came to rely on the old regulars and had the signup during the meeting prior to the parade. However for the sake of order and also due to some of our elderly no longer able to handle this duty we will set up the parade roster much earlier next year.

MARC and its parade work gets acknowledged twice: Once by the TV announcers and again in the Massillon Independent. And as you all know, we are indispensable in the production of this event. Without us it doesn't happen. But it also provides us with the most public exposure possible-even more that our emergency radio preparedness which is thankfully not required most years. As long as we're here Santa's visit is guaranteed ! This is something we can be proud of. Keep up the good work, Elves !
Wishing you all electronic goodies under your Christmas tree !

Perry W8AU

December 2011

W8NP Monthly Planner

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																				
<div style="display: flex; justify-content: space-around;"> <table border="1" style="font-size: small;"> <caption>Nov 2011</caption> <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>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td></td><td></td><td></td></tr> </table> <table border="1" style="font-size: small;"> <caption>Jan 2012</caption> <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>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>31</td><td></td><td></td><td></td><td></td></tr> </table> <div style="font-size: x-small;"> <p>Upcoming Events:</p> <p>1/7 - MARC Annual Banquet!</p> <p>1/29 - Tusco ARC Hamfest</p> </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="color: red; font-size: 2em;">1</p> <p>Massillon Radio Net - 3599.5, 1930</p>	<p style="color: red; font-size: 2em;">2</p> <p>Massillon Amateur Radio Club Meeting. Senior Center, Massillon, 2000</p>	<p style="color: red; font-size: 2em;">3</p>
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29	30	31																																																																																								
<p style="color: red; font-size: 2em;">4</p> <p>BD KD8BCA L'anse Creuse Amateur Radio Club Swap/Hamfest, Harrison Township, MI, N8GEO@arl.net</p> <p>Massillon Radio Net - 3599.5, 1930</p>	<p style="color: red; font-size: 2em;">5</p>	<p style="color: red; font-size: 2em;">6</p> <p>Massillon Radio Net - 3599.5, 1930</p> <p>Stark County ARES Net on 147.12 at 7:00 PM</p>	<p style="color: red; font-size: 2em;">7</p>	<p style="color: red; font-size: 2em;">8</p> <p>BD K8FUN Massillon Radio Net - 3599.5, 1930</p>	<p style="color: red; font-size: 2em;">9</p> <p>BD KB8FFC West Stark Info Net - 147.180 at 2000</p>	<p style="color: red; font-size: 2em;">10</p>																																																																																				
<p style="color: red; font-size: 2em;">11</p> <p>BD W8KXR Massillon Radio Net - 3599.5, 1930</p>	<p style="color: red; font-size: 2em;">12</p> <p>BD KC8ZEJ</p>	<p style="color: red; font-size: 2em;">13</p> <p>Massillon Radio Net - 3599.5, 1930</p> <p>Stark County ARES Net on 147.12 at 7:00 PM</p>	<p style="color: red; font-size: 2em;">14</p> <p>VE Test Sessions, Crenshaw ARC, 1600, Ctc.: John 330-433-0726, Canton Crenshaw Middle School</p>	<p style="color: red; font-size: 2em;">15</p> <p>Massillon Radio Net - 3599.5, 1930</p>	<p style="color: red; font-size: 2em;">16</p> <p>West Stark Info Net - 147.180 at 2000</p>	<p style="color: red; font-size: 2em;">17</p> <p>BD K8HSQ</p>																																																																																				
<p style="color: red; font-size: 2em;">18</p> <p>Massillon Radio Net - 3599.5, 1930</p>	<p style="color: red; font-size: 2em;">19</p> <p>BD W8SEC</p>	<p style="color: red; font-size: 2em;">20</p> <p>Massillon Radio Net - 3599.5, 1930</p> <p>Stark County ARES Net on 147.12 at 7:00 PM</p>	<p style="color: red; font-size: 2em;">21</p>	<p style="color: red; font-size: 2em;">22</p> <p>Massillon Radio Net - 3599.5, 1930</p>	<p style="color: red; font-size: 2em;">23</p> <p>BD KC8RKU West Stark Info Net - 147.180 at 2000</p>	<p style="color: red; font-size: 2em;">24</p> <p>BD N8DVS</p>																																																																																				
<p style="color: red; font-size: 2em;">25</p> <p style="color: red;">Christmas</p> <p>Massillon Radio Net - 3599.5, 1930</p>	<p style="color: red; font-size: 2em;">26</p>	<p style="color: red; font-size: 2em;">27</p> <p>BD K8INN Massillon Radio Net - 3599.5, 1930</p> <p>Stark County ARES Net on 147.12 at 7:00 PM</p>	<p style="color: red; font-size: 2em;">28</p>	<p style="color: red; font-size: 2em;">29</p> <p>Massillon Radio Net - 3599.5, 1930</p>	<p style="color: red; font-size: 2em;">30</p> <p>West Stark Info Net - 147.180 at 2000</p>	<p style="color: red; font-size: 2em;">31</p> <p style="color: red;">New Year's Eve</p>																																																																																				

Please contact K8INN for updates, changes, or additions.

MASSILLON AMATEUR RADIO CLUB
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