



FEEDBACK

VOLUME 60 ISSUE 3

MARCH 2015

**MASSILLON AMATEUR
RADIO CLUB OFFICERS**

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**MRN NET Sundays 8:00 PM
3599.5 MHz**

**WEST STARK INFO NET
Fridays 8:00 PM 147.18
MHz
(except 1st Fri of month)**

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MARCH MEETING

The meeting for the month of March will be held on March 6, 2015, at 8:00 PM at the Massillon Senior Center. Doors open at 7:00 PM for that "eyeball" QSO.

This month's meeting will bring out several announcements such as the forming of the CW and Technician Class study. It is not too early to begin planning for this year's Field Day activities. Although it sure doesn't seem very much like summer outside as it is about 5 degrees outside as this is being written ! We are planning to have Field Day again at Petros park again this year unless we can come up with a new place that is suitable for our needs. The facility must have shelter for the evening meal and large enough for about 30 people, enough property to hold the E – Com trailer and the CW facilities, must have bathroom facilities (at least a port-a-potty) . Do you have any suggestions in mind? Please bring them to the meeting and we can begin to "check them out !" This will be our 21st year at Petros. Time for a change? You let us know. So far we haven't found a suitable place yet. We just can't beat the facilities at Petros ! See you at the meeting !!

PROGRAM FOR MARCH MEETING

John Wagner N8CD will give a demonstration on Cross-band Repeater Operation. As you may remember John wrote the very fine four page article on Cross-band Repeating In the December 2014 issue of Feedback. You may want to bring this issue with you to make references.

Although cross-band repeating doesn't involve very "fancy" equipment, it does work off a dual-band mobile equipment. John will explain the equipment and methods necessary to be successful in this operation.

DUES ARE DUE!

This is it! The last month in which to pay your dues if you haven't done so already. According to my records there are 30 of you that haven't renewed your membership. So please while you are thinking about it, send a check to your Treasurer, Gary Kline WC8W, 6500 Highton ST SW, Navarre, Ohio 44662-9786 or send it to the Club's PO Box 73, Massillon, Ohio 44646 OR simply attend the March meeting and renew it. Cost is \$ 15.00/year for full membership, (cont page 5)



MARC Minutes February, 2015

President Ralph K8HSQ called the meeting to order at 8:00 PM, February 6, 2015. After the Pledge of Allegiance a round introductions was conducted, with approximately 25 members present. Ralph explained that there would be 2 presentations this evening, and to accommodate our visitors, the normal sequence of events would be changed slightly, with the first presentation preceding normal business. Rex NX8G was instrumental in arranging two ladies affiliated with Meals On Wheels (MOW) to give a presentation about MOW, how it works, what it does, and who it helps. Sheri Cattalin, Volunteer Coordinator and Suzanne Whisler, Development Specialist made the presentation. Each of them explained what their duties are, and explained how the food is prepared, delivered and how the program is funded. MOW is a wonderful operation that helps many disadvantaged people in Stark county that are unable, for one reason or another, to have proper nutrition, and almost as importantly, to have at least some degree of contact with someone to check on them to insure that they are safe and healthy. There have been many occasions where volunteers delivering meals have intervened after finding people who fell, or were in some kind of danger. Suzanne concluded that presentation, explaining how the program is funded, and how critical volunteers are to making the program a success. Anyone with a bit of spare time to contribute should consider becoming a volunteer to this very worthwhile program. Thank you Sheri and Suzanne for a nice presentation! Contact information, leaflets and refrigerator magnets were left for anyone wanting to get in contact with MOW.

Motion to accept last month's minutes:

Ralph asked if there were any corrections or additions to the January's Secretary's report that was sent to all members via e-mail. None being presented, Ralph asked for a motion to accept the report.

Motion by Jerry, KD8UEA - Second by Patty KD8UXL

Motion passed.

Treasurers Report:

Gary WC8W presented information for month of December and January.

Gary mentioned that January is always an expensive month for the club, with payments for liability insurance, rent to the Senior Center etc. all coming due in January. A motion to accept the report was made by Wade WD8MIU, and seconded by Rex NX8G.

Motion passed.

VP Report by Terry, N8ATZ

Terry reminded everyone that there are several flyers from various clubs available at the table to read. Mansfield will hold its annual Hamfest on February 15th at the Richland County Fairgrounds. VE exams will be held on Saturday March 7 at the Emergency Operations Center.

Terry also congratulated all those members having birthdays in January. Some discussion followed about the mentoring program where several people are learning kit building skills by putting a variable attenuator together. In March, they will build a tape measure antenna, and in April, they will put it all to use for a Fox Hunt. Anyone wanting to help out with the mentoring is welcome. Contact Wade WD8MIU if you need any more information.

Old Business:

There were no old business items to discuss, but it was mentioned that there is a possibility that MARC might get the job of handling both parking lots at the annual Swiss Festival. This was a big fund-raiser for the club, and the prospect of getting both lots to manage would be great.

New Business:

Terry N8ATZ has completed the paperwork for our club "Special Service Status" and filed it with the ARRL. It still has to be approved, but Terry doesn't anticipate any problems. John, KD8MQ, Affiliated Club Director was a guest, and mentioned that there are only about 6 clubs in Ohio that hold this distinction.

A lot of discussion followed about the 2015 MARC hamfest schedule. The Boys Club is happy to welcome us back, but the date (weekend of the Massillon-McKinley game) is not available. Moving the date has certain risks of vendors not attending, but there are also some possible advantages because of less conflict with other clubs. After a lot of discussion, a motion to change the date to Sunday, October 25th was raised by Lee, KD8UEA and seconded by Wade WD8MIU. The motion passed.

Ralph then offered thanks to John N8CD for a nice article in the newsletter regarding cross-band operation. A lot of discussion followed about the Skywarn Training sessions, which will not be held this year. Webinars may be offered if there is enough interest. If they are held, they will probably be at the Emergency Operations Center, although a lot depends on interest, since these sessions are expensive to conduct.

Terry announced the tentative programs for the coming year.

March: John N8CD to offer a refresher on cross-band operation.

April: Scott Yonnally N8SY Talk about new FCC regs, rules, etc.

May: Fred KD8GYS program about antennas.

June: Tim Warstler Stark County Deputy Director of Emerg. Mgmt.

July: Ice cream social.

August: Program about digital modes.

Sept: Show and Tell night.
 Oct.: Hamfest planning.
 Nov. Open.
 Dec.: Election of officers.

Terry mentioned that as for now, we are pretty solid footing with the Senior Center, and that they are committed to trying to keep it open for the next year or two, but there is concern. Perry W8AU mentioned that perhaps some of the people might want to consider joining the senior center as a show of support. Perry also mentioned that he is set up in the hallway with some equipment that he is helping sell as part of an estate sale for W1FTZ.

Gary WC8W announced that the Technician class course will begin on March 20, and that it will be combined with the code class. Classes will be held at the Senior Center. Contact Gary or Perry for times and dates.

50:50 Raffle:

The 50-50 was won by Jerry, KC8BR

Many thanks to those who helped in the kitchen with the coffee, soda and snacks!

Ralph closed the meeting at approximately 9:40PM.

After a short break, Ralph gave a presentation about the new Yaesu Fusion repeater, and explained how it can combine both digital and analog modes, along with some visual aids to help with the discussion. Jim WA8GXM brought in a repeater and mobile rig to demonstrate how they work, and how there is different latencies depending on the modes selected.

Submitted by Fred KD8SMO

. RADIO SHACK SK .

Radio Shack was founded in Boston by two London-born brothers, Theodore and Milton Deutschmann, in 1921. Their target audience was ham radio enthusiasts; they named it after the room that normally housed their equipment. The brothers setup shop on Brattle Street and spent the next several decades becoming a leading distributor of equipment for do-it-yourselfers in the northeast. The empire was created.

Since then radio operators and electronics hobbyists flocked to their stores for the parts necessary as we built our own equipment and accessories in pursuit of our hobby. I know I have built literally dozens of projects in my over 25 years of hamming thanks to parts from Radio Shack. In fact I even worked for Radio Shack from about 1980 through 1985 as a store manager in Akron. I imagine some of you may have worked for them as well.

Ham operators made great Radio Shack employees thanks to our strong technical skills and of course, we love talk-

ing projects ! Locally I have found out that several Stark County stores will be closing including the one in the old Meadows Plaza, home of the Massillon Target and Giant Eagle. I have been told that the store south of town in the Massillon Market Place (beside Wall-Mart will remain open.

They still do have a decent assortment of parts and I still visit there frequently. I fear that this still will spell the end of the Radio Shack chain as we know it eventually. A highlight of each year would be when Radio Shack would distribute a new catalog and I would be glued to examining every page looking for the latest gadget and gizmo they would carry.

My fond farewell to this once great electronics giant, R I P.

. SKYWARN SPOTTER TRAINING .

The Stark County EMA And Stark County Amateur Radio Emergency Service Present 2015 Skywarn Spotter Training.

This year's training is expected to be held on Monday, March 23rd and again on Thursday, March 26th at the Stark County
(continued on page 5)

Make your own dipoles with these center insulators

By Dan Romanchik, KB6NU

One of the things that always gets my goat is the price some companies charge for dipole antennas. It's not that they're charging an outrageously large sum of money, and I certainly don't begrudge them making a profit for their efforts. It's just that if hams would just buy their own wire and parts, they would not only save money over the long run, but be encouraged to experiment with antennas. That's what I started doing about ten years ago, and I've been very happy with the results.



One of the first things that I did was to purchase ten Budwig HQ-1 center insulators and ten HQ-2 end insulators (<http://www.budwig.com/antenna-connector-insulators.html>). I've made a bunch of antennas with these insulators, including several 40m/20m inverted vees for portable use (such as Field Day and special events), a 17m dipole, and a 10m loop antenna. These insulators are very well-made, and can easily be reused, too.

Universal Radio sells the set (<http://universal-radio.com/catalog/antsup/1782.html>) for \$18.50. I just placed another order for ten HQ-1s and 20 HQ-2s (the minimum number that you can purchase to get a quantity discount). The price, including shipping, is \$143.

There are a bunch of other center insulators on the market, including:

- * The Alpha Delta Delta-C antenna hardware kit (<http://universal-radio.com/catalog/antsup/0297.html>) consists of a Delta-C Center Insulator, antenna connecting hardware, 1 SEP Arc-Plug static protector (installed in Delta-C) and 2 Delta-CIN end insulators. This is a little heavier-duty than the Budwig insulators, but it costs more, too (\$30 at Universal Radio). Unless you're going to be running a kW, I don't see the need to spend nearly twice as much money on these insulators.

- * The TEN-TEC ACRO-BAT Antenna Connector &

Hanger (<http://www.tentec.com/products/ACRO%252dBAT-Antenna-Connector-%26-Hanger.html>) is an interesting product. Unlike the Budwig and Alpha-Delta insulators, this product does not have an SO-239. Instead, this insulator clamps over the coax and antenna wire, and in doing so, provides strain relief. I haven't tried this one, but it seems like a nice design. The cost is \$10, directly from TEN-TEC or from Universal Radio.

- * The Unadilla W2AU ANsulator (<http://universal-radio.com/catalog/antsup/0913.html>) is made from PCV tubing and include eyelets for terminating the antenna wire and for supporting the insulator in the middle. For \$15, I think I'd rather have the Budwig insulator. Also, you should be able to make one of these insulators for less than 15 bucks.

- * The Hy-Gain C-1C Center Insulator (<http://www.hy-gain.com/Product.php?productid=C-1C>) has a screw for tightening down the antenna wire, so you don't have to do any soldering, but overall, I don't think I like the looks of this model. And, at 30 bucks, it seems kind of pricey.

- * The W8AMZ Dipole Antenna Starter Kit (http://www.w8amz.com/W8AMZ_ACC_Page.html) comes a center insulator made from PVC pipe, similar to the Unadilla W2AU ANsulator and two end insulators. It costs \$18.

If none of these strikes your fancy, you can always make your own. WP4AOH has some very good instructions on how to do this using PVC pipe and fasteners that you can find at your local hardware store (<http://wp4aoh.blogspot.com/2012/07/dipole-antenna-center-insulator.html>).

Whatever route you take, I encourage you to keep several on hand and enough antenna wire and coax to complete the antenna. You never know when the urge will strike you to build an antenna, and if you don't have the parts you've missed an opportunity to do some experimenting.

=====

When not checking his stock of antenna parts, you'll find KB6NU working on updates to his "No Nonsense" study guides, blogging about amateur radio at www.kb6nu.com, or working 30m CW.

EMA Office located at 4500 Atlantic Blvd (Lower Level), Canton, OH 44705. Training will begin at 6:30 PM and will consist of a webinar by National Weather Service trainers. There is room for 25 persons at each training session. This year's training is for Amateur Radio Operators only. Pre-Registration is required to insure seating is available for all participants. Please contact Terry Russ, N8ATZ at (330) 837 - 3091 or email to truss@sssn.net to register for the training. The training will last approximately 2 hours with one break. This year's training will again discuss what severe weather is; identifying potentially serious weather patterns; and reporting this information to the Cleveland NWS office. Mark your calendar for this years Severe Weather Awareness Week which is March 1 - 7. The Statewide Tornado Drill will be held on Wednesday, March 4th at 9:50 AM. As in previous years we will be taking check ins on the 147.12 ARES Repeater.

. 2014 LICENSE STAT'S .

The following 2014 year-end report of the FCC licenses issued is courtesy of Maria Somma, AB1FM, ARRL VEC Manager.

At the end of December, the total number of US Radio Amateurs licensed in the FCC database was 726,275, the highest number ever ! New amateur licenses issued were up by an incredible 15% compared to 2013, (33,241 versus 28,886), setting a record in recent years. Upgraded amateur licenses were also up in 2014 by an unprecedented 13% (10,556 versus 9,325).

Who said amateur radio is a dying hobby, sure doesn't seem that way to us !.

That's it for this month.

**73's
Terry - N8ATZ**

IN MEMORIAM

It is with great sadness we announce the passing of two members mothers passing away. **Mildred Schirf**, mother of member Stevan Hall, KD8ACF passed away on February 5th 2015. She was born on December 4, 1922, she was 93years young.

Mildred Reed, mother of member Fred Reed, KD8SMO, passed away on February 6, 2015 at the age of 98 years young. She was born in 1917.

We wish to extend our sincere sympathy to the families of Fred Reed and Stevan Hall for their loss.

(Dues Due continued from page 1)

\$7.50 for the XYL and any child under 18 and still living at home .

This is how it is going to work. Those of you that haven't paid will go on an "inactive" list for 6 months and if I haven't heard from you in that time, you will be dropped from the roles. In the mean time you will not receive the Newsletter and you will not be eligible to vote on the issues. If however you pay the dues you will be fully reinstated with no loss of accrued time (25 year Lifetime membership eligibility).

REMEMBER: We do not want to loose a single member !!

MARCH 29



ARRL NEWS

Australian Hams Respond Following Severe Weather

02/20/2015

Amateur Radio volunteers with Australia's Central Queensland Amateur Radio Association ([CQARA](#)) has initiated nets on HF and VHF in the wake of a tropical cyclone (hurricane). After making landfall, Cyclone Marcia caused major damage, ripping roofs from structures, downing trees, downing power lines, and damaging other infrastructure. According to Jim Linton VK3PC, the chairman of IARU Region 3's Disaster Communications Committee, it's still too early to know the full extent of damage from the cyclone, a Category 5 storm bearing winds of 155 MPH when it hit Yeppoon. Cyclone Marcia lost intensity as it slowly moved south, and it has been downgraded to a Category 1 storm



CQARA volunteers are reported active on 40 meters and 2 meters. Other Wireless Institute Civil Emergency Network (WICEN) groups are standing by to help emergency responders. The few people who remained on Queensland's tourist coastal islands have evacuated to shelters. According to Australian news media, many residents have been left without electricity, and power is expected to be off for several days. Emergency managers are asking residents to use water only when absolutely necessary. The Rockhampton Airport has been closed due to flooding.

Linton said no deaths have been reported, due to the storm. "During previous major Queensland cyclones extensive agricultural crops were lost," he said.

A separate weather system dumped rain over southeast Queensland, including the capital of Brisbane, causing some localized flooding. Linton said that situation could worsen as Cyclone Marcia heads farther south.

Elsewhere in Australia, Cyclone Lam, initially a Category 4 storm, engulfed the northeast region of the Northern Territory. Linton said that early evacuation of lightly populated islands and sheltering from that storm has been effective. Cyclone Lam has been downgraded to a tropical depression

Hams Encouraged to Hit the Water for New US Islands Awards "One-Day Getaway"

02/18/2015

Fans of portable ham radio are encouraged to grab their equipment and head for the water as part of the new "One-Day Getaway," sponsored by the [US Islands Awards Program](#). The annual event will debut on Saturday, May 9, from 0000 UTC through 2359 UTC (Friday evening to Saturday evening in the continental US). Founded in 1994, US Islands promotes portable ham radio operation from islands in all bodies of water — lakes, rivers, streams, ponds, and coastal islands in US territorial waters.



"US Islands is a great way to go on a mini-DXpedition without spending a lot of money," said US Islands Awards Manager Jay Chamberlain, NS4J. "Discovering islands in your own backyard and setting up a station outdoors is always a good time. If hams have only operated outdoors during Field Day, we offer another route to get outside and enjoy portable ham radio in a different way."

The One-Day Getaway is an on-air activity, *not* a contest. No scores are tallied, and no prizes are awarded. Participation from all radio amateurs, regardless of experience level, is encouraged. Contacts may be made with any station. US Islands offers achievement awards for both island activators and island chasers, including a certificate for your first US Islands activation.

While there are some 2800 islands on the US Islands list, there are more than 17000 islands within the US. Participants can use Google Earth to locate new islands and be the first to operate ham radio from that location.

Complete [information](#) on the US Islands Program, a how-to guide for One-Day Getaway participants and a list of currently qualified islands is available on the group's website.

(ED Note: MARC has participated in TWO US Islands: North Bass 07/2010 (1st time IOTA) , and Tappan Is, 10/2012.)

EVERYONE CAN ENJOY DXING

Edward Doyle, KJ4NRN

Even when starting small DXing can be fun for all.

In just over 2 years of being a ham, the one thing I've found that I can do for hours on end without getting bored is DXing.

I've found that some hams think DXing is too hard, QSLing too expensive or that they don't have the right equipment. DXing is something that *everyone* can enjoy and nobody says that you have to QSL to be a DXer. Some DXers I've spoken with have logged over 200 countries but don't have a single QSL card.

I have a nice setup (mainly due to the generosity of some friends) in the shack, but, being 15 years old, I don't have money to throw around nor do I have enough experience in ham radio to be an expert. So how did I end up with 176 countries in my log?

You simply need to remember these five simple rules:

1. Be sure you always listen before transmitting
2. Make sure you are always courteous
3. Remember that there is usually propagation to somewhere
- 4 Learn when propagation conditions are best.
5. Always be patient

If you already follow these rules, you have 99% of what you need.

DXing Tools

For those who don't have tons of time, a computer can be helpful to pick up some DX spots. [A DX spot is a website listing that shows the call sign of the DX station, his frequency, the time the DX was heard and usually some comment about the DX station. — *Ed.*] Some good spot sites are DXwatch.com and DXsummit.fi.

Your equipment doesn't matter much for the first 50 to 75 countries. If you are very patient and willing to learn a little technique, you can stick with low power to a wire antenna for the earlier contacts. Of course, the easiest way to go is with a 100 W transceiver and a dipole or good vertical antenna.

There are many good books out there about DXing, including *The DXCC Handbook* and *The Complete DXer*. Both are available from the ARRL® and other ham radio catalogs.¹

While not necessary, an Amateur Extra class license will open up many more frequencies. On 80, 40, 20 and 15 meters most of the good DX hangs out below the General class segment of the band (which certainly

makes the General class license holders mad). Even so, I have worked 138 countries with my General class license and you can too. Seventeen and 20 meters will be your best bands for now and 10 meters when the sunspots really come back. In fact, once the sunspot cycle kicks in again, even you Technicians can work DX on 10 meters. When I was a Technician I got over 30 countries the first year, only on 10 meters. So that just goes to show that you don't need a General class license for DXing.

QSLing can be easy. I won't go into detail about the direct process, but via the "buro" is cheap and easy if you are willing to wait for a reply.² The ARRL's Logbook of the World (LoTW) is free. Not all DXers use LoTW, but some DXers have earned DXCC using only LoTW. Though not accepted for DXCC, eQSL is fun and easy.

So, to the people who think they are having enough fun on 2 meters, get out there and try something new — like DXing. You'll find yourself captivated. It's too much to miss out on. By the end of this article, you should be saying, "If that 15 year old kid can do it — so can I!"

So, the next time you hear a DX station calling CQ, don't just listen. Throw your call sign out there and have some fun.

73 and hope to see you "down the log."

[For more on DXing, see the October 2012 special DXing issue of QST® — Ed.]

¹*The DXCC Handbook* (order no. 9884) and *The Complete DXer* (order no. 9073) are available from your ARRL dealer or from the ARRL Store. Telephone toll-free in the US 888-277-5289 or 860-594-0355, fax 860-594-0303; www.arrl.org/shop/; pub-sales@arrl.org.

²Information on QSL bureaus can be found at www.arrl.org/qs-service and www.iaru.org/iaruqsl.html.

Edward Doyle, KJ4NRN, an ARRL member, is 15 years old and has been licensed for just over 4 years. His sister and father are both licensed hams as well as his grandfather. DXing is one of the many ham radio activities he enjoys as well as participating in Field Day with his local club. He will be joining a group of young hams lead by Don Dubon, N6JRL, on a trip to Costa Rica to operate TI5N as well as sight-see in the beautiful city of San Jose. Outside of ham radio, he is interested in guitar, tennis and cycling. Edward can be reached at 3279 Hunterdon Way SE, Marietta, GA 30067-5043, kj4nrn@nfarl.org

MARC CLASSES TO START

CW

Perry, W8AU has already started the CW class. It started on February 27th. But don't worry if you missed the first meeting there will be plenty of opportunities to join, just show up at the next meeting and begin from there. Perry tailors the class to the students he has at hand. Example if you are there to learn the basics of CW he will help you overcome the 5 WPM hurdle. If you are there to increase your code speed he will help you over the 15 or 25 word gap or perhaps even more depending on your needs.

There is no cost for the class, just show up at 7:00 PM on any Friday evening (classes last for 2 hrs) and begin studying. The limit will be about 10 weeks, depending on the progress of the students. For more information, please call Perry at 330/705-8449.

TECHNICIAN CLASS

Gary, WC8W is announcing the formation of a new Technician Class starting Friday March 20, 2015 at 7:00 PM at the Senior Center. The course will last approximately 8 weeks. Cost for the course will be just the cost of the Ham Radio License Manual, printed by the ARRL, for About \$ 20.00, providing no cost increase this year. The Manual comes with a Question and answer software disk that features the ARRL Exam Review CD-ROM.

For further information on the CW class, please contact Perry on-line at w8au@sssnet.com.

For the Technician Class, contact Gary on-line at wc8w@sssnet.com or by phone : 330/844-6371 or cell phone 330/323-3678.

If you know of anyone interested please have them contact either Perry or Gary as soon as possible so they won't miss a single meeting. Thank You.

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March 2015

W8NP Monthly Planner

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																		
<p style="color: #800080; font-weight: bold; font-size: 1.2em;">1</p> <p>Massillon Radio Net - 3599.5 kHz, 1930</p>	<p style="color: #800080; font-weight: bold; font-size: 1.2em;">2</p>	<p style="color: #800080; font-weight: bold; font-size: 1.2em;">3</p> <p>BD KC8RPE Stark County ARES Net on 147.12 at 7:00 PM</p>	<p style="color: #800080; font-weight: bold; font-size: 1.2em;">4</p> <p style="color: red; font-weight: bold;">Statewide Tornado Drill 0950</p>	<p style="color: #800080; font-weight: bold; font-size: 1.2em;">5</p>	<p style="color: #800080; font-weight: bold; font-size: 1.2em;">6</p> <p>Massillon Amateur Radio Club Meeting, Senior Center, Massillon, 2000</p>	<p style="color: #800080; font-weight: bold; font-size: 1.2em;">7</p> <p>VE Test Session, Stark County Area VE Team, 0900, Ctc: (330) 904-6066, Stark County EMA/EOC, Dep. Sheriff Complex, Canton</p>																																																		
<p style="color: #800080; font-weight: bold; font-size: 1.2em;">8</p> <p style="color: red; font-weight: bold;">Daylight Savings Time Begins</p> <p>Massillon Radio Net - 3599.5 kHz, 1930</p>	<p style="color: #800080; font-weight: bold; font-size: 1.2em;">9</p>	<p style="color: #800080; font-weight: bold; font-size: 1.2em;">10</p> <p>BD N8FEB Stark County ARES Net on 147.12 at 7:00 PM</p>	<p style="color: #800080; font-weight: bold; font-size: 1.2em;">11</p>	<p style="color: #800080; font-weight: bold; font-size: 1.2em;">12</p> <p>VE Test Session, Cuyahoga Falls ARC, 1900, Bruce, 330-929-2766, Stow-Monroe Falls Public Library</p>	<p style="color: #800080; font-weight: bold; font-size: 1.2em;">13</p> <p>West Stark Info Net - 147.180 at 2000</p>	<p style="color: #800080; font-weight: bold; font-size: 1.2em;">14</p>																																																		
<p style="color: #800080; font-weight: bold; font-size: 1.2em;">15</p> <p>BD WA8GXM Massillon Radio Net - 3599.5 kHz, 1930 Toledo Mobile Radio Assoc. Hamfest, Ctc: Brian, 419-385-5624, Perrysburg</p>	<p style="color: #800080; font-weight: bold; font-size: 1.2em;">16</p>	<p style="color: #800080; font-weight: bold; font-size: 1.2em;">17</p> <p style="color: red; font-weight: bold;">St. Patrick's Day</p> <p>Stark County ARES Net on 147.12 at 7:00 PM</p>	<p style="color: #800080; font-weight: bold; font-size: 1.2em;">18</p>	<p style="color: #800080; font-weight: bold; font-size: 1.2em;">19</p> <p>BD W8DEA</p>	<p style="color: #800080; font-weight: bold; font-size: 1.2em;">20</p> <p>West Stark Info Net - 147.180 at 2000</p>	<p style="color: #800080; font-weight: bold; font-size: 1.2em;">21</p> <p>Charleston, WV Hamfest & Computer Show www.w8gk.org</p>																																																		
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