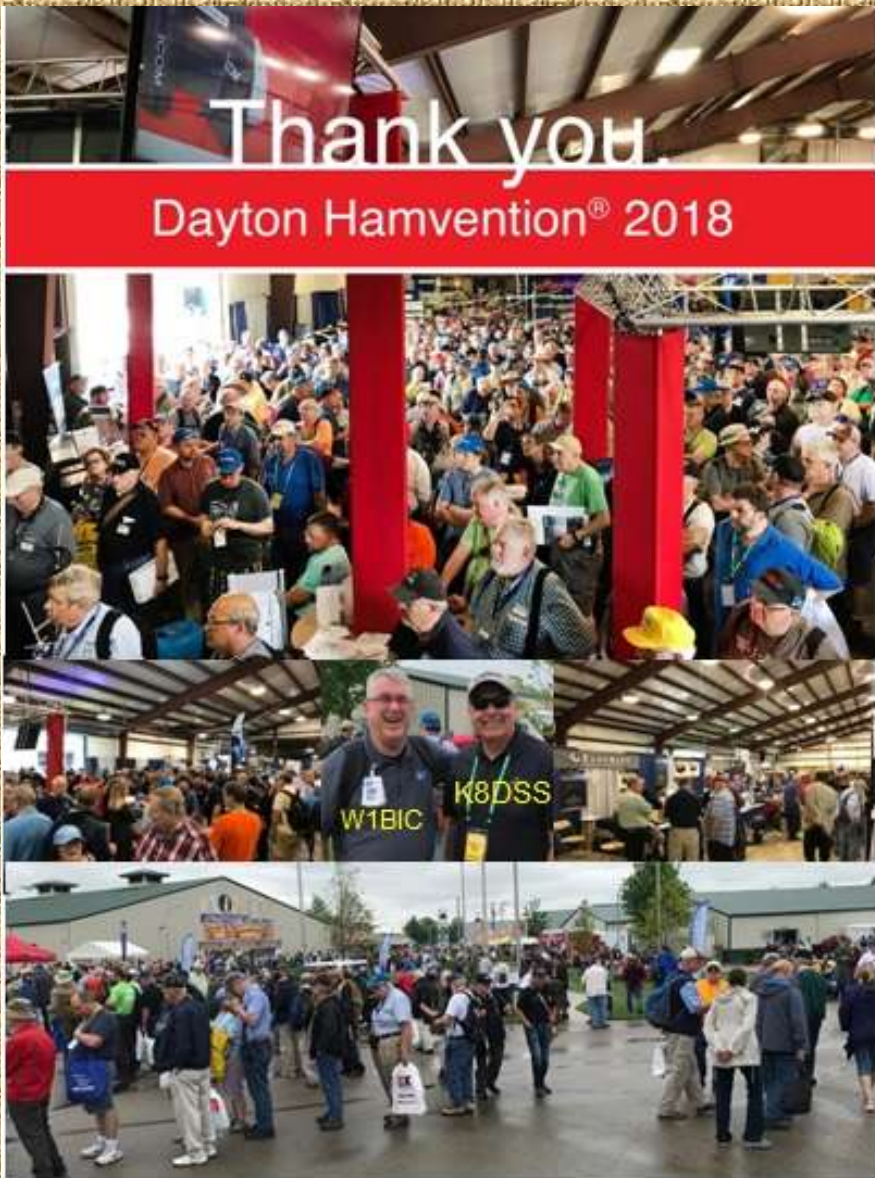


The Xenia Season Remembered

Hamvention 2018 may have witnessed a record number of new Amateur Radio products. New transceivers included Icom's IC-7610, Kenwood's TS-890S, Yaesu's FTDX-101D, and FlexRadio's FLEX-6400M and FLEX-6600M. CommRadio introduced its CTX-10, a compact SDR-based QRP transceiver. Other new products ranged from CW keys, to digital mode interfaces, to audio processors and amplifiers. (ARRL)



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The GM Nets meet daily Monday through Saturday on 7.277.5 MHz at **17:00Z**

**Would you like to help out
with Net Control Duties?
Contact our Net Manager
George, KB9VF
kb9vf@Comcast.net**

Net Preamble & Closing



Net Control Stations:

George, KB9VF
Rick, WØPC
Verle, K8VW
Bill, WB9YUR
Denny, N8XLS
Phil, W9MPA
Bob, K8MPV
Charlie, WD9IQV
Scott, W1BIC
Wally, WB8M
Ed, K8DSS (Alternate)

Net Preamble

This is (your call), today's net control. This net is composed of employees and retirees of the General Motors Corporation .

This net meets daily on this frequency for the purpose of getting better acquainted, expanding our knowledge, and improving our operating techniques. We promote friendship among participants in many locations who have many talents and have or have had a variety of work assignments. Visitors are always welcome to check in and join our daily net. Please stay carefully tuned to net control at all times. This is (your call) (working for or retired from) (your) Division in (your city), (state). My home QTH is (where you live). My name is (your name) and we will now take check-ins, one at a time, please.

When running the net, pause after about 4 to 5 station during the roundtable and ask for check-ins to allow folks to get on the list.

Net Closing

Are there any late check-ins for the net? (pause for late check-ins). Is there any further business for the net? (pause for any further business) Having no further business, we will close the net at this time. This net is composed of General Motors employees, retirees, and visitors. We meet each day, Monday through Saturday, on or about this frequency, at (**1700z** or **1800z**). Thank you for your participation and please return often. This is (your call) now closing the net. 73 and Good Afternoon.

**Turn on the radio and tune us in. We are on 40-meters
Join us on or about 7.277.5 MHz at 17:00Z**

Net Control Schedule

June 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Notes:					1 WØPC- Rick	2 KB9VF - Geo
3	4 K8VW - Verle	5 K8MPV - Bob	6 W1BIC - Scott	7 W9PMA - Phil	8 N8XLS - Denny	9 WD9IQV - Charlie
10	11 WB9YUR - Bill	12 WB8M - Wally	13 WØPC- Rick	14 KB9VF - Geo	15 K8MPV - Bob	16 K8VW - Verle
17	18 W1BIC - Scott	19 W9PMA - Phil	20 N8XLS - Denny	21 WD9IQV - Charlie	22 WB9YUR - Bill	23 WB8M - Wally
24	25 WØPC- Rick	26 KB9VF - Geo	27 K8VW - Verle	28 K8MPV - Bob	29 W1BIC - Scott	30 W9PMA - Phil

DMR Popularity is Exploding Worldwide

Digital **M**obile **R**adio. Is a recent entry for the amateur radio community like D-Star or C4FM. The mode has been around for quite awhile mainly used in the commercial 2-way service. It uses 2 time slots that allow 2 different QSO to use a repeater at the same time without any interference. The DMR mode has a few different names for the different channels we talk on. We use "Talk Groups" that are coded for based on their use. In the standard analog FM radios, we are accustomed to PL tones. In the DMR world they are called "Color Code." The big advantage to DMR over analog FM is that you can communicate worldwide as well as local. If you don't have a DMR repeater near by, you can use digital hot spot that connects to your home internet router or to a mobile hot spot like your cell phone. The data usage is very low so not a problem with your phone's data plan. The radios range in price from around \$80.00 for a Tytera MD-380 on up. The radios require software to program them for all the different frequencies and "talk groups" you wish. Currently, there are nearly 100,000 digital IDs assigned. 73 & GL, Rick (WØPC)

Where are the HF Bands Going?

We are approaching the bottom of the sun spot cycle with yet another year or so the hit rock bottom. Lets hope this solar minimum treats us better than the last one. While the sunspots are becoming few and farther between, tune around the higher HF bands. Those bands aren't really totally closed. I've worked many stations on 10, 12 and 15 meters lately. The key to it is, I'm using the FT8 digital mode. When all the higher bands seem to be dead, tune in around the Band Plan frequencies for FT8 and listen to all the activity. This time of year, even 6 meters opens up.

FT8 Frequencies:

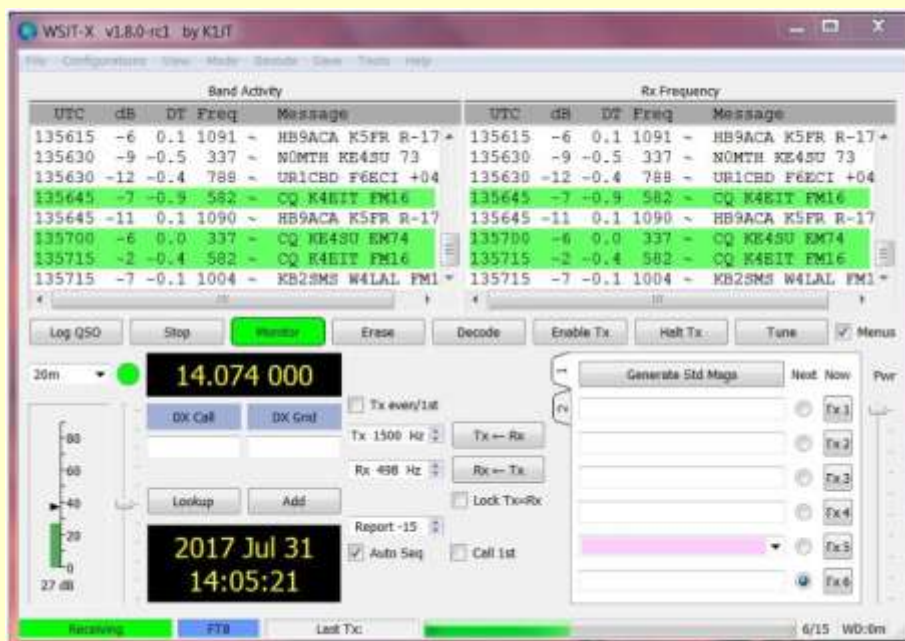
6 Meters – 50.313 MHz 10 meters – 28.074 MHz 12 Meters – 24.915 MHz
15 Meters – 21.074 MHz 20 Meters – 14.074 MHz 30 Meters – 10.136 MHz
40 Meters – 7.074 MHz 80 Meters – 3.573 MHz 160 Meters – 1.840 MHz

The simplicity and speed of FT8 has made it the most popular digital mode on HF. There still are some PSK-31 and JT-65/9 stations operating but not like there used to be. The software called WSJT-X is free and available from: <https://physics.princeton.edu/pulsar/k1jt/wsjt.html> You can just Google WSJT-X and find the web page.

I ran across a good Youtube video that talks about WSJT-X and all the modes the program supports. It's put on by the weak signal software developer himself, Joe Taylor, K1JT. It's about an hour and 17 minutes long including many questions and answers.

https://www.youtube.com/watch?v=233HQs_8JGQ Enjoy the video and may be catch up with you on FT8.

73, Rick (WØPC)



Net Control Schedule

July 2018						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
0	N8XLS - Denny	WD9IQV - Charlie	WB9YUR - Bill	WB8M - Wally	WØPC- Rick	KB9VF - Geo
8	9	10	11	12	13	14
	K8VW - Verle	K8MPV - Bob	W1BIC - Scott	W9PMA - Phil	N8XLS - Denny	WD9IQV - Charlie
15	16	17	18	19	20	21
	WB9YUR - Bill	WB8M - Wally	WØPC- Rick	KB9VF - Geo	K8MPV - Bob	K8VW - Verle
22	23	24	25	26	27	28
	W1BIC - Scott	W9PMA - Phil	N8XLS - Denny	WD9IQV - Charlie	WB9YUR - Bill	WB8M - Wally
29	30	31	Notes:			
	WØPC- Rick	KB9VF - Geo				



Joe Taylor, K1JT

The Father of the Digital
Revolution in Ham Radio

WSJT-X

A Great Success!!!



Amateur
Radio
Club

1st Annual Technology Expo
Sunday - April 29, 2018
10:00 AM until 3:00 PM

*** HAM Radio, Computer & Robotic Maker's EXPO ***
Madison Place Convention Ctr - 876 Horace Brown Dr - Madison Hts



Net Control Schedule

June 2018

August 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Notes:			1	2	3	4
			K8VW - Verle	K8MPV - Bob	W1BIC - Scott	W9PMA - Phil
5	6	7	8	9	10	11
	N8XLS - Denny	WD9IQV - Charlie	WB9YUR - Bill	WB8M - Wally	WØPC- Rick	KB9VF - Geo
12	13	14	15	16	17	18
	K8VW - Verle	K8MPV - Bob	W1BIC - Scott	W9PMA - Phil	N8XLS - Denny	WD9IQV - Charlie
19	20	21	22	23	24	25
	WB9YUR - Bill	WB8M - Wally	WØPC- Rick	KB9VF - Geo	K8MPV - Bob	K8VW - Verle
26	27	28	29	30	31	Notes:
	W1BIC - Scott	W9PMA - Phil	N8XLS - Denny	WD9IQV - Charlie	WB9YUR - Bill	

The GM Amateur Radio Club meets the third Tuesday of the month (except July & August) at 7:00 PM, at the

Packard Proving Grounds

49965 Van Dyke Avenue

Shelby Township, MI 48317

[Between 22 Mile & 23 Mile Roads]



Meetings are also Streamed Live on Facebook - search for GM Amateur Radio

General Motors Amateur Radio Club (GMARC) Weekly Nets

With THEGUILD Echolink Conference Server

by W8MRW Roy Sterling Heights, Michigan

Greetings to all our GMARC Regular and Heritage Members. GMARC and The Guild Radio Group have been collaborating on the their GMARC Monday evening (2000 ET) and Friday GUILD Fellowship (1700 ET) Nets dating back to late June 2016.

The Monday GMARC Net has been operating since late June 2016. We added the Friday GUILD Fellowship Net in early 2018. Connection was Echolink WWGM-R to Echolink *THEGUILD* through January 2018. We changed to AllStar Nodes connection beginning early February 2018. AllStar 48175 to AllStar 47374. i.e.

GMARC 70cm Repeater Node

THEGUILD Node

WW8GM-R Echolink = AllStar 48175

THEGUILD Echolink = AllStar 47374

AllStar to AllStar connection accomplishes the same thing as Echolink to Echolink; with AllStar having somewhat better audio quality.

In early May 2018, a technical problem arose on the GMARC Echolink and AllStar side forcing us to operate the two nets on a standalone basis (i.e. unconnected).

Our GMARC Echolink and AllStar Node Action Officer and custodian has been sidelined with medical issues for over a month. Since both nodes are located at his home, the remedy hinges on his speedy recovery. The solution may be as simple as a reboot of the Echolink and AllStar nodes.

Meanwhile you can read the check-ins lists for both the GMARC Monday Night and TheGuild Fellowship Nets at the GMARC Facebook Group Page aka GM Amateur Radio. You do not need to be a Facebook member to access this information. Simply do a Google Search for Facebook GM Amateur Radio and follow the link to the Facebook Group page. You can observe all the info there; including the recent videos of the monthly GMARC meetings held at the historic Packard Proving Grounds (Shelby Twp, MI).

Remember also to visit the GMARC web site
gmarc.org

Go to <http://www.gmarc.org/wp/roster/> to see list of Regular and Heritage Members ; along with the great information throughout the web-site.

73 W8MRW Roy Sterling Heights, Michigan



Net Control Schedule

September 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Notes:						1 WB8M - Wally
2	3 WØPC- Rick	4 KB9VF - Geo	5 K8VW - Verle	6 K8MPV - Bob	7 W1BIC - Scott	8 W9PMA - Phil
9	10 N8XLS - Denny	11 WD9IQV - Charlie	12 WB9YUR - Bill	13 WB8M - Wally	14 WØPC- Rick	15 KB9VF - Geo
16	17 K8VW - Verle	18 K8MPV - Bob	19 W1BIC - Scott	20 W9PMA - Phil	21 N8XLS - Denny	22 WD9IQV - Charlie
23	24 WB9YUR - Bill	25 WB8M - Wally	26 WØPC- Rick	27 KB9VF - Geo	28 K8MPV - Bob	29 K8VW - Verle



WW8GM

443.075 MHz + 123 Hz PL
145.210 MHz - 123 Hz PL

775 Feet Above the Detroit River
Atop GM World HQ
300 Renaissance Center
Detroit, MI 48265-0001

EchoLink® Node: 99846

Michigan / Wayne County - Grid: EN82



Amateur Radio Club

www.gmarc.org

GM Amateur Radio Club Membership Application

Membership in the GM Amateur Radio Club is open to anyone interested in amateur radio

New Member [] Renewal [] Heritage []

Present Call Sign _____ ARRL member yes/ no _____

Name _____

I would like to be called _____ (This will be used for the First Name on your ID Badge)

Mailing address _____

City _____ State _____ Zip _____

County _____ Home Phone # _____

Cell phone # _____ Work Phone # _____

E-mail address _____

If you are/were a GM employee - Work location _____

Yearly dues are: January 1 -- December 31

[] \$20.00 Individual [] \$30.00 Family [] Heritage \$10 (first year free)

Please make checks payable to: **GM Amateur Radio Club or GMARC**

Note: Please enclose a passport photo (for your membership id)

Mail to: **GMARC**
Bobby Corr - N8CY
45601 Fox Ln w apt 106
Shelby Township, MI 48317-5054

Note from the Editor: Many of our old Firebird ARC have also joined the GMARC as "Heritage" members. Nets are on WW8GM/R (443.075 MHz) linked to Echolink via WW8GM-R Monday's @ 8 PM EST or 0:00 Z