

## Create Your Own Band Condx



Call now and we'll send you your very own easy to use container of band conditioner. It will improve your sex life, help you grow hair in many places all while you climb to the top of the DX Honor roll. For only \$19.95 we will ship you not only one but two cans of this very special band conditioner. Just watch the pileups melt away as you spray away the QRM leaving your enhanced signal the pride of the band. You too can be the big gun. Just a little spray does the trick! Call Now!

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**The GM Nets meet daily  
Monday through Saturday on  
7.277.5 MHz**  
**17:00Z (Daylight Time)**  
**18:00Z (Standard Time)**

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  
Roy, W8MRW  
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

## April 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Notes:	1 W8MRW - Roy	2 WØPC- Rick	3 KB9VF - Geo	4 K8VW - Verle	5 K8MPV - Bob	6 W1BIC - Scott
7	8 W9PMA - Phil	9 N8XLS - Denny	10 WD9IQV - Charlie	11 WB9YUR - Bill	12 W8MRW - Roy	13 WØPC- Rick
14	15 KB9VF - Geo	16 K8VW - Verle	17 W1BIC - Scott	18 K8MPV - Bob	19 W9PMA - Phil	20 N8XLS - Denny
21	22 WD9IQV - Charlie	23 W8MRW - Roy	24 WB9YUR - Bill	25 WØPC- Rick	26 KB9VF - Geo	27 K8VW - Verle
28	29 K8MPV - Bob	30 W1BIC - Scott	Notes:			





# “Hamclock”

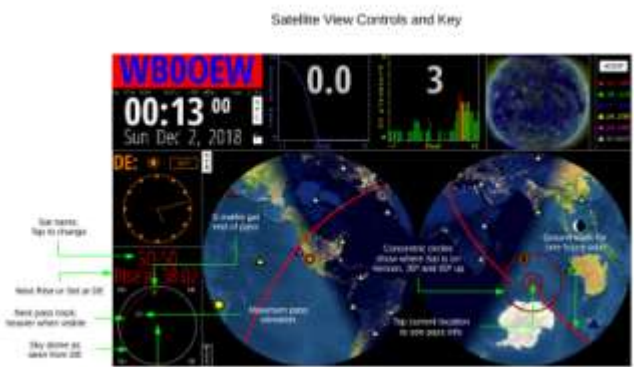
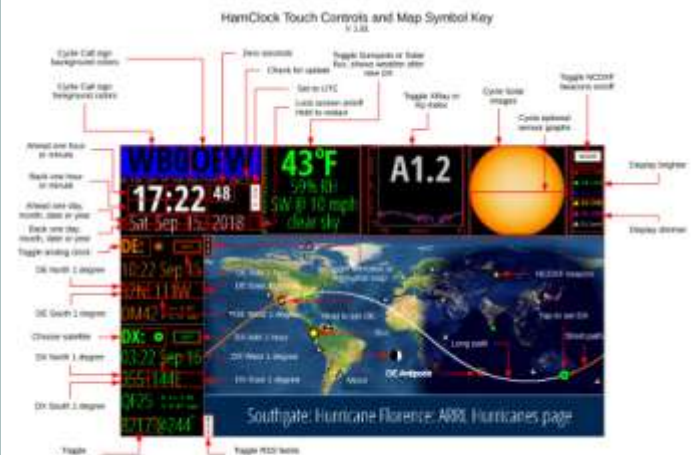
Rick, WØPC

## The Geochron:

The Original Model: Geochron, perhaps best described as a functional wall sculpture, is a dramatic 2-foot-by-3-foot (34 1/4" x 22 1/2" x 4 1/2") global map/chronometer, framed with wood and encased behind glass, whose timepiece is synchronized with the earth's orbit. The principal objective of the Geochron is to provide a device capable of pictorializing, on a flat surface global solar time and its modifications as well as related natural phenomena. The Geochron displays the following: Legal Zone Time, Greenwich mean time, Greenwich apparent time, local apparent time, local mean time, moment of sunrise, moment of sunset, duration of daylight, sun's meridian passage, sun's equation of time, degrees latitude, degrees longitude, the geographic extent of the prevailing day and date. The Geochron is the only instrument of its kind to simultaneously exhibit the current time anywhere in the world as well as displaying where the sun is rising, and when it will set. Original prints from the first Geochron are still a large base for today's models and it is important that the Geochron remains an analog device. Now there's a new Geochron Digital 4k UHD in digital format for only about \$399.00 plus a 4K UHD TV. The new one along with an Internet service provides several additional features. Again, it's a real fancy clock that has accuracy to NIST Time Standards (WWV). It also has five mapsets: Earth Human, Earth Oceanic, Earth Topographical, low-resolution Geopolitical, and Ham Radio showing call sign prefix for each country. Like the original Geochron, it displays locations of the International Space Station, updated every 15 seconds. It's really cool and sets the gold standard for Ham Shack Jewelry.



Wait a minute, there is even another form of Geochron. It's built on a “Raspberry Pi” \$35.00 computer and can be setup to display on a TV set or a regular computer monitor. The program called “Hamclock” was written up in QST magazine back in the October 2017 edition. It will track many satellites as well as the ISS. Solar conditions including NCDXF Beacons are displayed including distance and beam heading. It's pretty cool. Take a look at the article; you can download it from the ARRL's web site. Here are some picture and descriptions of some screens.



The bottom of the screen can display Amateur Radio related news. My “Hamclock” was built with spare parts and no additional cost. In reality, the Raspberry Pi3B+ cost \$35.00, \$10.00 for the micro SD card and a left over old monitor. The do-it-yourself project really made for some practical and colorful ham shack jewelry.

# Net Control Schedule

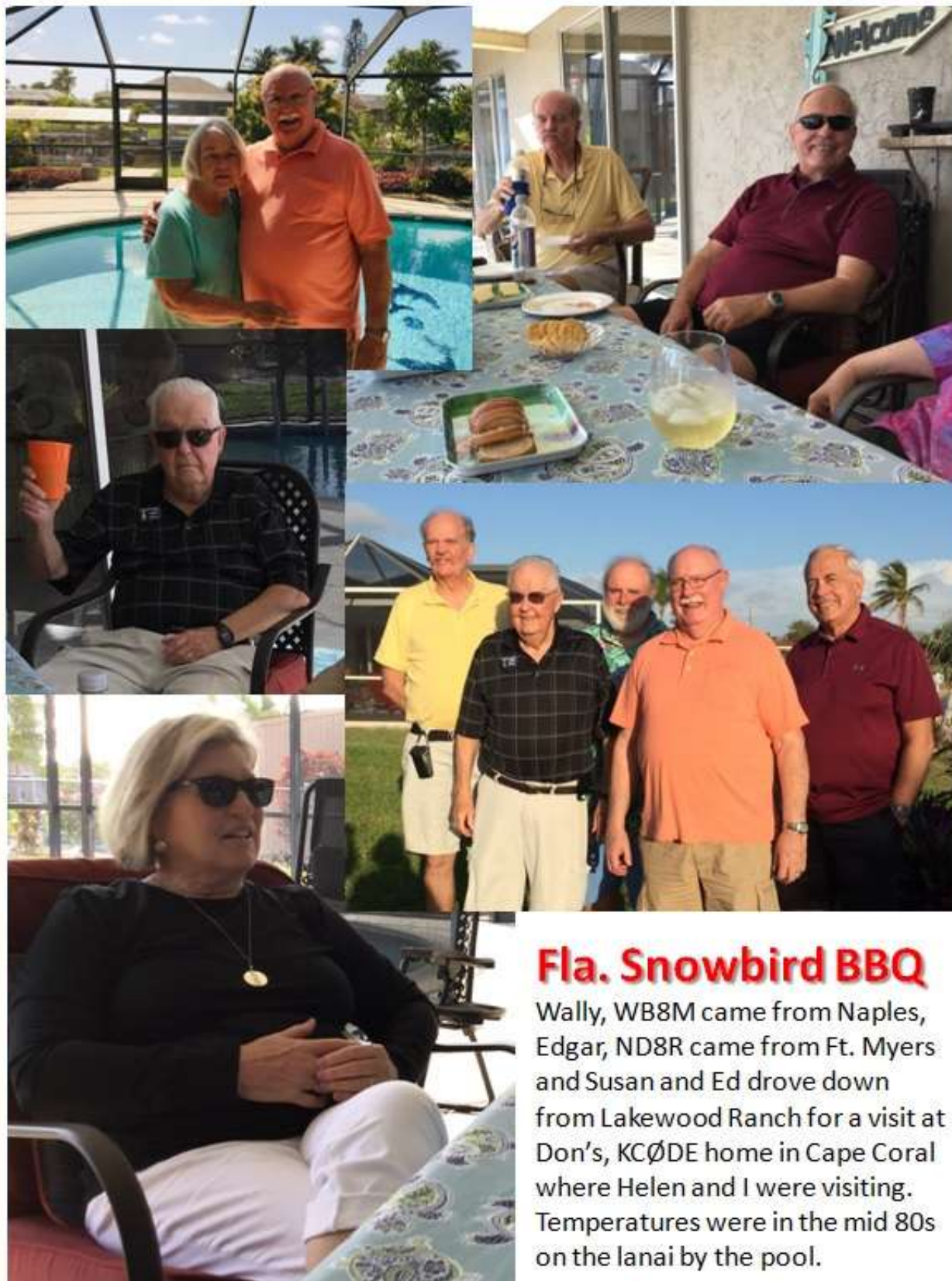
May 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Notes:			1 W9PMA - Phil	2 N8XLS - Denny	3 WD9IQV - Charlie	4 WB9YUR - Bill
5	6 WØPC- Rick	7 KB9VF - Geo	8 K8VW - Verle	9 K8MPV - Bob	10 W1BIC - Scott	11 W9PMA - Phil
12	13 N8XLS - Denny	14 WD9IQV - Charlie	15 WB9YUR - Bill	16 W8MRW - Roy	17 WB8M - Wally	18 WØPC- Rick
19	20 KB9VF - Geo	21 K8VW - Verle	22 W1BIC - Scott	23 K8MPV - Bob	24 W9PMA - Phil	25 N8XLS - Denny
26	27 WD9IQV - Charlie	28 W8MRW - Roy	29 WB9YUR - Bill	30 WB8M - Wally	31 WØPC- Rick	Notes:

The  
“Hamclock”  
ham shack  
jewelry at  
WØPC







## **Fla. Snowbird BBQ**

Wally, WB8M came from Naples, Edgar, ND8R came from Ft. Myers and Susan and Ed drove down from Lakewood Ranch for a visit at Don's, KCØDE home in Cape Coral where Helen and I were visiting. Temperatures were in the mid 80s on the lanai by the pool.

# Net Control Schedule

April 2019

June 2019						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Notes:						1 KB9VF - Geo
2	3 K8VW - Verle	4 K8MPV - Bob	5 W1BIC - Scott	6 W9PMA - Phil	7 N8XLS - Denny	8 WD9IQV - Charlie
9	10 WB9YUR - Bill	11 W8MRW - Roy	12 WB8M - Wally	13 WØPC- Rick	14 KB9VF - Geo	15 K8VW - Verle
16	17 K8MPV - Bob	18 W1BIC - Scott	19 W9PMA - Phil	20 N8XLS - Denny	21 WD9IQV - Charlie	22 WB9YUR - Bill
23	24 W8MRW - Roy	25 WB8M - Wally	26 WØPC- Rick	27 KB9VF - Geo	28 K8VW - Verle	29 W1BIC - Scott
30	Notes:					

**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

# Muskegon Area Amateur Radio Club, W8ZHO

## Icom IC-7300 Raffle

The Muskegon Area Amateur Radio Council, W8ZHO is located in the Lake Michigan coastal community of Muskegon. We enjoy five acres and a clubhouse with towers and antennas on the shore of Lake Michigan. Our club dates to before WWII is affiliated with the ARRL, and is a tax-exempt 501(c)(3) charity. In an effort to support our efforts to promote our hobby of amateur radio we are having a raffle, a HF/6-meter transceiver. The Icom 7300 SDR transceiver has only been out of its box a handful of times. The radio will be raffled at our club's Field Day site, June 22, '19. Raffle tickets are \$5. Raffle tickets available through PayPal for \$6 (the extra dollar helps cover PayPal expenses and postage) Please use PayPal for your ticket request using our email address, [maarc@w8zho.com](mailto:maarc@w8zho.com) We will snail mail your ticket stub. Raffle tickets will also be available at the Cadillac and Hudsonville Hamfests in Western Michigan. The winner need not be present to win. We printed 500 raffle tickets. The State of Michigan license number is R51613.

## ICOM 7300

### SDR - HF/50 mHz Radio

Raffle benefits: Muskegon Area Amateur  
Radio Council, W8ZHO

**Nearly new**

**Icom 7300 HF/50 mHz Transceiver**

500 Tickets Available at **\$5.00** per ticket

See any MAARC member

or

Tickets available for **\$6.00\*** per ticket through PayPal ([maarc@w8zho.com](mailto:maarc@w8zho.com))

\*to cover PayPal processing fees & postage

Lic. No. R51613

Drawing in Muskegon, MI, 2:00 pm,  
Field Day, June 22, 2019



# Net Control Schedule

## July 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Notes:	1 K8MPV - Bob	2 W9PMA - Phil	3 N8XLS - Denny	4 WD9IQV - Charlie	5 WB9YUR - Bill	6 W8MRW - Roy
7	8 WB8M - Wally	9 WØPC- Rick	10 KB9VF - Geo	11 K8VW - Verle	12 K8MPV - Bob	13 W1BIC - Scott
14	15 W9PMA - Phil	16 N8XLS - Denny	17 WD9IQV - Charlie	18 WB9YUR - Bill	19 W8MRW - Roy	20 WB8M - Wally
21	22 WØPC- Rick	23 KB9VF - Geo	24 K8VW - Verle	25 K8MPV - Bob	26 W1BIC - Scott	27 W9PMA - Phil
28	29 N8XLS - Denny	30 WD9IQV - Charlie	31 WB9YUR - Bill	Notes:		



### Amateur Radio Club

**WWW.GMARC.ORG**

**443.075 MHz + 123 Hz PL**  
**145.210 MHz - 123 Hz PL**  
**EchoLink® Node # 99846**

## 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](http://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  
Scott Bicknell  
3720 Crestwood Drive  
Auburn Hills, MI 48326-4306

**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