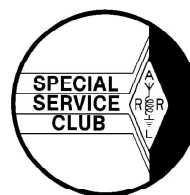


# The Hertzian Herald



March 2022 • Volume 46, Issue 3 • Monroe, Michigan, U.S.A.

## D Fritz Bitz:



It's spring and I look forward to planting my tower soon. It's only a 40 footer but I hope it will grow to 100 some day. I hope to put a 4 element 6 meter Yagi on the bottom to see what that sprouts into. Just above that will be a 10 element 2 meter Yagi so I can finally talk to something other than the local repeaters. I hope that once the tower grows a little bit I will have even better coverage.

Above that will be a horizontal 10 element 70 cm Yagi so I can play around with some long distance UHF contacts. I hope one day that it will grow into a stacked set.

On the very top will be a dual band V/U vertical for local stuff. Hoping one day it will be a tri-band. Possibly a quad. For HF I am planting a G5RV in the trees along with the existing Cushcraft vertical I planted over 20 years ago. It never really grew much.

So the other thing that spring means is that summer is right around the corner. Start thinking hamfest and field day since they are just over 90 days away. We will need volunteers for both so mark your calendars. We had a great year last year. Hopefully this year will be bigger and better for both.

So, until next month, 73.

Don Fritz  
N8BZN



<http://mcrca.org/>

[www.facebook.com/groups/1643856795878368/](http://www.facebook.com/groups/1643856795878368/)

### Club Officers

#### PRESIDENT

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#### DIRECTOR

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Oklahoma QSO Party  
Idaho QSO Party  
Wisconsin QSO Party  
Virginia QSO Party  
CQ WPX SSB  
Louisiana QSO Party  
Mississippi QSO Party

March 12-13  
March 12-13  
March 13-14  
March 19-20  
March 26-27  
April 2-3  
April 2-3

<http://k5cm.com/okqp.htm>  
<http://www.pocatelloarc.org/idahoqsoparty/>  
<http://www.warac.org/wqp/wqp.htm>  
[https://www.qsl.net/sterling/VA\\_QSO\\_Party/2022\\_VQP/2022\\_VQP\\_Main.html](https://www.qsl.net/sterling/VA_QSO_Party/2022_VQP/2022_VQP_Main.html)  
<https://cqwp.com/>  
<https://laqp.louisianacontestclub.org/>  
[https://www.arrrmiss.org/ms\\_qso\\_party\\_page.html](https://www.arrrmiss.org/ms_qso_party_page.html)

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**MCRCA Meeting Minutes for February 17, 2022 via Zoom**

Meeting called to order at 7:30 pm, by Don N8BZN.

Pledge of Allegiance

Introductions: No new members, upgrades or guests.

MINUTES: Motion by Wes KC8SKP, supported by Jeff KA8NCR, to approve as written in the Herald. Approved.

TREASURER REPORT: Motion by Paul W8PI, supported by Mike N8KUF, to approve the treasurer's report as passed out to the membership. Approved.

DX REPORT: Tom KG8P, not a lot of DX out there. — TU5PCT Team will be active from Cote d'Ivoire, 4 - 13 February 2022. — V7AB Radio Marshall — DL7BO and DJ6TF will be active as Z22O and Z21A from Zimbabwe, 3 - 20 February 2022. He will operate on 160 - 10m, CW, SSB, FT8, FT4. — Robert, 9N7AA, 01 March 2022 I continue being on 30m long path to NA on 10131/FH daily, from approximately 12:00 to 13:00Z, after which the band goes flat here, and I usually move to 17m for NA. Only well-equipped NA and SA stations get over the nasty local QRM that constantly ranges from S7-9 on 30m.

CONTESTING: Paul W8PI, ARRL International DX Contest Phone, March 5-6 – March 12, OK QSOP and ID QSOP — March 13, WI QSOP – March 19, VA QSOP.

TESTING: Next session - Sat. February 19, 2022. **Appointments Preferred - FRN and email req'd**

FUTURE PROGRAMS: Digital, DMR, Kits, Antenna builds, Fox Hunts, and MIQSO Party.

ARPSC: Dale WA8EFK, Lance has been busy on WinLink since testing it Saturday.

ARRL: Dale WA8EFK, ARRL is changing operator assisted contesting to include spotting and self-spotting if no one protests. *3.14. In contests where spotting nets are permissible, spotting your own station or requesting another station to spot you is not permitted.*

RRRA: Mike N8KUF, all are working – still working on echolink, driveway to repeater site is bad. – the rest is OK.

OLD BUSINESS: Mike N8KUF, planning to start up fox hunts again this year. April program on fox hunting before hunts begin. Probably start May, July, and Sept.

NEW BUSINESS: None

ANNOUNCEMENTS: Livonia Swap **SATURDAY**, Feb 26<sup>th</sup> New location, [www.livoniaarc.com](http://www.livoniaarc.com)  
TMRA canceled. TRAC club in Toledo is holding trunk sales May 1<sup>st</sup>.

PROGRAM: Video – History of the Amateur Radio Callsign

ADJOURNED: 8:13 pm

ATTENDANCE:

WA8EFK Dale	W8IIE Dave	N8BZN Don	K8FGT Ed
K8EBI Fred	KB8OSU George	KA8NCR Jeff	K8UMF John
KE8OTG Larry	W8MCW Mark	KN6EYQ Mark	N8KUF Mike
W8PI Paul	KC8AZZ Peter	W8SMB Scott	N8NYP Terry
KE8KNZ Tom	KG8P Tom	KC8SKP Wes	

**Committees****Club Station**

Wes Busdiecker KC8SKP

**DX Net**

Soon

**Field Day**

Jeff Breitner KA8NCR

**Finance**

Paul Trouten W8PI (chair)

Fred VanDaele K8EBI

Dale Williams WA8EFK

**HamFest**

Fred VanDaele K8EBI

**Hertzian Herald**

Fred VanDaele K8EBI

**Historian**

Paul Trouten W8PI

**Public Relations**

Terry Kolton N8NYP

Tom Imlach KE8KNZ

**Scholarship**

Fred VanDaele K8EBI

**Program Chairman**

Ron Duvall KE8OSX

**Membership**

Terry Kolton N8NYP

n8nyp@arrl.net

**Property Custodian**

Paul Trouten W8PI

## ARPSC Report March: Spring, Leprechauns, Antenna Checks

Now that hopefully all the accumulating snow has passed u by for the year (HA), it is time to get outside and check your outdoor antennas, coax, grounding points for any wear or tear. It is also a good time to get any new antennas up and ready for the summer SKYWARN activations.

We will be having an on-air SKYWARN drill during April, stay tuned to the FB page and on the Monday nets for more information. Though it is geared towards preparing operators to handle SKYWARN net control duties, it is also a good refresher to anyone that participates in the SKYWARN activations on how to properly report any weather issues.

The week of March 20-26 is Michigan Severe Weather week. The statewide siren test is scheduled for Wednesday March 23<sup>rd</sup> at 1pm. Please remember, however, Monroe County does NOT participate in the siren test and will NOT be setting off the warning sirens on that day. They will conduct their scheduled monthly test the following Wednesday March 30<sup>th</sup> at 10am.

Don't forget the NWS DTX SKYWARN training is virtual again this year thru Mid-April. If you attend, please track your hours to report and email me a copy of your spotter certificate for the files. SKYWARN training is required every 2 years for ARPSC members.

By time you read this there will only be 3 sessions remaining, so register quickly.

**All start times are at 7 p.m. unless otherwise noted.**

•**Mon. March 14, 2022 -**

<https://attendee.gotowebinar.com/register/5459608915995906571>

•**Sat. April 9, 2022 (10 a.m.) -**

<https://attendee.gotowebinar.com/register/1618996108476802573>

•**Tue. April 12, 2022 -**

<https://attendee.gotowebinar.com/register/2218804990196061452>

Looking ahead, Lucas County ARES will be hosting a Trunk Sale and Swap Meet at Toledo Speedway on Benore Rd. Sunday May 1<sup>st</sup>, May 7<sup>th</sup> is RRRRA Annual meeting, May 14<sup>th</sup> is the May ARPSC Saturday Session- This will be held outside at EMD to allow folks to set up their field stations, figure out what you forgot to pack and get ideas from everyone else.

As I wrap up for the month, I would like to wish a Congratulations and a relaxing Retirement to Monroe Sheriff Chief Deputy Dave Buchko AC8SI. Dave has retired from the Sheriff's Office after a great career, I would like to Thank him for all his work at the Sheriff's Dept and wish him the best as he starts a new chapter with his family!

If you are interested in honing your skills or building new ones, please feel free to stop in to any of our meetings or training sessions, or participate on our nets. We are here to help every operator learn and perform better. It doesn't matter if your call sign was just posted on the FCC database or you have had your ticket for decades, we are always looking for additional operators.

ARPSC meetings are the first Thursday of every month at 7:30pm at the EMD on Raisinville Rd. Next meeting is Thursday April 7<sup>th</sup> and the topic will be Radiological Emergency Preparedness training. This is a REQUIRED class for anyone who plans on helping out at any of the upcoming Fermi drills this year. If you even think you might want to help out, you must attend this session.

As always Thanks to the club and the club webmaster for linking our FB and webpage, and to Fred for his time getting this newsletter out.

Stay Warm, 73  
Lance Charter  
Emergency Coordinator  
Monroe County Amateur Radio Public Service Corps



## Scary story from FaceBook

By Joe Schoebel

So I've been off the air for a week now. Last Tuesday a HT charger power supply failed causing a fire in the shack.

First of all - family, dogs, and house are OK.

Second of all - y'all need smoke detectors on every floor. Get a couple extra. Maybe more.

Third of all - I was fortunate enough to keep a small ABC fire extinguisher right next to the shack, so I was able to keep the fire from spreading.

It was scary as s\*\*\*. Not gonna lie. Standing outside my house in my PJs at 10pm at night talking to the Fire Dept. in -10F temps isn't ideal by any means, but it is what it is. Makes you put things in perspective a bit. But in the end we're all ok and I can rebuild a shack.

73 KD9CJX

PS - that fire extinguisher stuff is a b\*\*\*\* to clean up.

It was the small power supply feeding the charger. It was a ebay knockoff charger for a Kenwood commercial HT. Never buy knockoff stuff from ebay. Just sayin.



## **Field Day is a great opportunity to talk to the public about what we do. Take advantage of it!**

Let's talk about the Field Day Public Information Table:

"7.3.4. Public Information Table: 100 bonus points for a Public Information Table at the Field Day site. The purpose is to make appropriate handouts and information available to the visiting public at the site. A copy of a visitor's log, copies of club handouts or photos is sufficient evidence for claiming this bonus. Available to Classes A, B and F."

If you are going to try to get the points for a public information table, you could just set up a small card table off to one side, toss a stack of flyers/brochures on it and call it good. It fulfills the basic stated purpose, but not much else. It's dull and you'll probably have about the same number of flyers at the end of Field Day as you did when you started.

Instead, we should use this table to engage the non-ham public, elected officials, representatives from served agencies, and the news media. So make it something that 1) grabs people's attention and pulls them in, 2) imparts a great impression about ham radio, and 3) gets people interested in becoming hams.

First, set this table up somewhere that the public is going to see it right away. Other than roaming operators on handhelds, this should probably be the most public facing position of your set-up.

Second, staff it with intelligent and presentable operators. If you have younger operators, women, or minorities, get some of them out there in order to combat the "old White guy's hobby" stereotype (yes, I am an "old White guy"). If you have club shirts, wear them. You want your best sales people out in the front, which is not the same thing as your subject matter experts.

Make an interesting, inviting display. Cover that folding table with a table cloth. Put up a bi-fold or tri-fold display of pictures. Have a working or static display radio. Have some good, professional looking brochures. Maybe build a mock-up of a CubeSat and have it on display.

Have something interactive for adults and for kids. A working demo of digital modes like APRS or Winlink is often good as you can send a message to someone's cell phone. You can have blank 3x5 cards for kids to write their names in Morse Code.

Coach your staff on some of the things to hit on like ARISS, STEM, SKYWARN, ARES/RACES, etc. One common mistake to watch out for is ARRL stands for AMERICAN Radio Relay League, not Amateur Radio Relay League. And make sure your staff knows to use plain language and no technical jargon.

Have people sign in and have them include contact info like a good email address if they are interested in more info.

Finally, have business cards ready to hand to people before they leave. Some swag to give away never hurts either.

Start your information table planning now so you can gather the supplies you need: Canopy, Table(s) and chairs, Banners, Brochures/Flyers, Business cards, Table cloth, Static and Interactive displays, etc.

Put forth the effort to make a great first impression — you only get one chance to do so.

Good luck!





## Volunteer Monitor Program Cautions against Operating Beyond License Privileges

Many of the Advisory Notices sent out each month by the ARRL [Volunteer Monitor Program](#) go to stations heard operating outside the operator's license privileges. While some may be doing so deliberately, it seems clear that many of these reports reflect a lack of clarity regarding the Part 97 — Amateur Radio Service rules.

Typical cases often involve operators holding Technician- or General-class amateur licenses being heard on a frequency or band not permitted by their license privileges. Most recent incidents have frequently entailed FT8 digital mode operation by Technician licensees on 20 and 40 meters. Technician licensees do not have any operating privileges on 20 meters, let alone digital privileges, and FT8 is a digital protocol.

Technicians (and Novices) may operate CW between 21.025 and 21.200 MHz on 15 meters, from 7.025 and 7.125 MHz on 40 meters, and from 3.525 to 3.600 MHz on 80 meters, but they do not have *any* digital (data) mode privileges on these bands.

ARRL Volunteer Monitor Program Administrator Riley Hollingsworth, K4ZDH, said licensees who need a refresher course regarding their operating privileges may refer to Section 97.301 of the rules.

ARRL also has a convenient chart on its [website](#) that details privileges available to all license classes, from Novice to Amateur Extra.

As monthly Volunteer Monitor reports indicate, some General-class operators have lost their way on some bands too, and Advisory Notices have gone out to those operating outside of the General-class phone subbands. For example, on 20 meters, Generals may operate phone from 14.225 to 14.350 MHz, but occasionally, General-class operators are heard outside of that subband. On 40 meters, the phone and image subband open to General licensees is 7.175 to 7.300 MHz. Of course, Technician- and General-class licensees may operate CW on any subband on which they have operating privileges, although operation within the CW subbands is preferred by band plan.

On 10 meters, Technicians have RTTY and data privileges — including FT8 — from 28.000 to 28.300 MHz, and SSB phone privileges from 28.300 to 28.500 MHz, and may operate on CW over the entire 28.0000 - 28.500 MHz segment. Technicians may enjoy all operating privileges at 50 MHz and above.

The ARRL Volunteer Monitor program is a formal agreement between the FCC and ARRL. Volunteers trained and vetted by ARRL monitor the airwaves and report evidence that may be used to correct errant operation or to recognize exemplary on-air operation.

In case you didn't know ...

4 cans of beer or soda (12 oz) stacked together are 19 inches tall, and will resonate on 2 meters.

12 cans stacked together are 57 inches tall and will resonate on 6 meters, as well as a 3/4 wave on 2 meters.

A case should be good for CB/11M ... drink up and start building those antennas.



**Monroe County Radio Communications Association**

Dues run from January 1st to December 31st of each year. As a current / Past Member, you are invited to attend our monthly meetings to find out the latest plans for our club. You may pay your dues at any regular meeting or by filling in the form below and mailing it to: **MCRCA, 4 Carl Dr, Monroe, MI 48162**. Your membership and support will help with the continued success of our club. Thank you.

**MEMBERSHIP APPLICATION / RENEWAL FORM**

Regular – \$10 — Add'l Family – \$5 each

DATE \_\_\_\_\_ ARRL MEMBER? Y \_\_\_\_\_ N \_\_\_\_\_ RRRA Member? Y \_\_\_\_\_ N \_\_\_\_\_

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

CALL \_\_\_\_\_ CLASS \_\_\_\_\_ E-MAIL: \_\_\_\_\_

ADDITIONAL Family Members: \_\_\_\_\_

Please Circle All That Apply:

Active Bands: 160 80 75 40 30 20 17 15 12 10 6 2 220 440 higher

Modes: CW - SSB – PACKET - RTTY - FM - DX - MOBILE - QRP - SSTV - ATV - EME - SAT

Interests: Traffic - DX - Contests - Foxhunts - Satellites - Nets – Antennas - Computers  
Emergency - ARES/RACES - Skywarn - Classic Radios (circle all that apply)

Do you plan to upgrade your license? Y \_\_\_\_\_ N \_\_\_\_\_ If yes, what class? \_\_\_\_\_

What kinds of meeting programs would you like to see?

\_\_\_\_\_

Other activities you would like to see the Club offer

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

General Comment's

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_



The American Radio Relay League's round-up of the forthcoming week's DX activity on the amateur radio bands

This week's bulletin was made possible with information provided by The Daily DX, the OPDX Bulletin, 425 DX News, DXNL, Contest Corral from QST and the ARRL Contest Calendar and WA7BNM web sites. Thanks to all.

**NIGER, 5U.** Giorgio, IU5HWS is QRV as 5UA99WS from Niamey until March 20. Activity of late has been on 20 meters using SSB around 1100z. QSL via EA5GL.

**TOGO, 5V.** Andy, KB9IJI is now QRV as 5V7JA from Mango. Activity is on the HF bands using mostly SSB with some CW and digital modes. QSL via LoTW.

**MALAWI, 7Q.** Don, K6ZO is QRV as 7Q6M until March 13. He has been active on 80 meters using CW around 0300z. QSL direct to home call.

**MALDIVES, 8Q.** Laurent, F8CZI is QRV as 8Q7ZI until March 21. Activity is holiday style on the HF bands using CW and SSB. QSL to home call.

**MALTA, 9H.** Mike, G3VYI will be QRV as 9H/G3VYI and 9H6YI from southwest Gozo from March 11 to 13. Activity will be on the HF bands. This includes being active in the RSGB Commonwealth contest. QSL to home call.

**THE GAMBIA, C5.** Don, G3XTT is QRV as C56DF until March 18. Activity is using mostly CW on 30, 17, and 12 meters. This includes being active in the RSGB Commonwealth contest. QSL to home call.

**COMOROS, D6.** Don, K6ZO will be QRV as D60AB from March 16 to 18. QSL direct to home call.

**NORTH COOK ISLANDS, E5.** Warwick, E51WL has been active using FT8 on 12 meters just before 2200z. QSL to home call.

**KYRGYZSTAN, EX.** Pavel, R2DX and other operators are QRV as EX0QR from the southern shore of Lake Issyk-Kul/Kyrgyzstan until March 16. Activity is on 160 to 10 meters using CW, SSB, and various digital modes. QSL via R2DX.

**AUSTRAL ISLANDS, FO.** Jacek, SP5EAQ is QRV as FO/SP5EAQ and TX5AQ from Rimatara Island, IOTA OC-050, until March 30. Activity is on 80 to 10 meters using SSB. This includes being active as TX5AQ as a Single Op/High Power entry in the upcoming CQ World Wide WPX SSB contest. QSL via SP7DQR.

**FRENCH GUIANA, FY.** Pete, F4GPK is QRV as FY/F4GPK from Kourou until March 17. Activity is holiday style on the HF bands. QSL to home call.

**WALES, GW.** Special event station GB20SOTA is QRV until March 26 from the Welsh SOTA summit of Mynydd y Cwm to celebrate 20 years of the Summits On The Air

program. Activity is on the HF and V/UHF bands. QSL via M1EYP.

**MINAMI TORISHIMA, JD1.** Take, JG8NQJ is QRV as JG8NQJ/JD1 from Marcus Island, IOTA OC-073, until mid-June. Activity is on the HF bands using mostly CW. QSL via JA8CJY.

**SEYCHELLES, S7.** Ravi, S79VU has been active on 20 meters using SSB beginning around 1600z. QSL via N4GMR.

**BELIZE, V3.** Iain, G4SGX is QRV as V31GX from Ambergris Cay, IOTA NA-073, until March 18. Activity is holiday style on 160 to 6 meters using CW and possibly FT8. This includes being active in the RSGB Commonwealth contest. QSL via LoTW.

**INDONESIA, YB.** Special event station 8C9MGP will be QRV from Lombok Island, IOTA OC-150, from March 11 to 13 to support the Mandalika Grand Prix. QSL via HA3JB.

**SOUTH SUDAN, Z8.** Diya, YI1DZ, will be QRV as Z81D from Juba beginning March 11 and will be here until September 11. Activity will be holiday style. QSL via OM3JW.

**CAYMAN ISLANDS, ZF.** Colin, G4CWH is QRV as ZF2CA from Grand Cayman, IOTA NA-016. Activity is on 160 to 10 meters using CW and SSB. His length of stay is unknown. This includes being active in the RSGB Commonwealth contest. QSL direct to home call.

**NEW ZEALAND, ZL.** Jacky, ZL3CW will be QRV in the RSGB Commonwealth contest. QSL to home call.

**THIS WEEKEND ON THE RADIO.** The RSGB Commonwealth Contest, Stew Perry Topband CW Challenge, North American RTTY Sprint, Novice Rig Roundup, NCCC RTTY Sprint, QRP 80-Meter CW Fox Hunt, NCCC CW Sprint, K1USN Slow Speed CW Test, YB DX RTTY Contest, SARL Field Day Contest, SKCC Weekend CW Sprintathon, EA PSK63 Contest, South America 10 Meter Contest, DIG SSB QSO Party, AGCW QRP CW Contest, Oklahoma QSO Party, TESLA Memorial HF CW Contest, Idaho QSO Party, UBA 2-Meter Spring Contest, FIRAC HF Contest and Wisconsin QSO Party are all on tap for this upcoming weekend.

The 4 States QRP Group Second Sunday Sprint, The OK1WC Memorial, Worldwide Sideband Activity Contest, RTTYOPS Weeksprint, CLARA Chatter Party, QRP 40-Meter CW Fox Hunt, Phone Weekly Test, A1Club AWT, CWops Test, VHF-UHF FT8 Activity Contest, Mini-Test CW 40, Mini-Test CW 80 and the RSGB 80-Meter Club CW Championship run from March 14 to 20.

Please see March QST, page 72, and the ARRL and WA7BNM Contest web sites for details.



## Amateur Radio Examinations Monroe, MI

Monroe County Radio Communications Association Amateur Radio examinations are held the 3<sup>rd</sup> Saturday of every even numbered month at:

**American Red Cross Chapter Bldg.**  
1645 North Dixie Highway  
Monroe, MI 48161

**Registrations preferred**  
**Call for information.**  
**email address and FRN required**

### 2022 Schedule:

February 19    April 16  
June 18        August 20  
October 15    December 17

### TESTING BEGINS PROMPTLY AT 9:00 AM

Applicants are expected to have all forms filled out and be ready to take tests at that time. Coffee and doughnuts are available at 8:30 AM. For more information or to make reservations, call Paul Trouten - W8PI at 734-854-2224

### Join us at the next meeting

March 17th at 7:30 pm  
American Red Cross Chapter Bldg.  
1645 North Dixie Highway  
Monroe, MI 48162

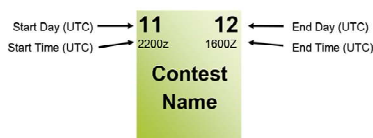
### Local Net

**ARPSC Net** - Every Monday evening on '72-Monroe (146.72 Mhz) starting at 8:00pm.

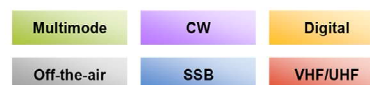
**ARPSC Meeting** first Thursday of every month at the EMD office on Raisinville Rd.. 7:00 PM

## PERIODIC TABLE OF MAJOR AMATEUR RADIO CONTESTS

by Chet VE3CFK



# 2022



Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1 0000Z 2359Z <b>HAPPY NEW YEAR</b>	5 2300Z 0300Z <b>NA Sprint CW</b>	6 0000Z 2400Z <b>ARRL DX SSB</b>	2 1500Z 00Z <b>SP Polish DX</b>	7 VARIES VARIES <b>7QP/IN/DE New England QSO Parties</b>	4 1200Z 1159Z <b>TISZA CUP CW</b>	1 0000Z 2359Z <b>RAC CANADA DAY</b>	6 1800Z 0600Z <b>NAQP CW</b>	3 0000Z 2235Z <b>CW Ops CW Open</b>	1 0600Z 0600Z <b>Oceania PHONE</b>	5 2100Z 0300Z <b>ARRL SS CW</b>	2 2200Z 1600Z <b>ARRL 160</b>
8 0800Z 2359Z <b>ARRL RTTY Roundup</b>	9 0000Z 2359Z <b>CQWW WPX RTTY</b>	12 2300Z 0300Z <b>NA Sprint RTTY</b>	13 0700Z 1300Z <b>JIDX CW</b>	14 1200Z 1159Z <b>CQ-M DX</b>	11 1800Z 0300Z <b>ARRL June VHF</b>	9 1200Z 1200Z <b>IARU HF</b>	13 0000Z 2359Z <b>WAE CW</b>	14 0000Z 2359Z <b>WAE SSB</b>	10 0800Z 0800Z <b>Oceania CW</b>	12 0000Z 2359Z <b>WAE RTTY</b>	10 0000Z 2359Z <b>ARRL 10 Meter</b>
15 0800Z 0559Z <b>NAQP CW</b>	16 0559Z 2400Z <b>ARRL DX CW</b>	19 0000Z 2400Z <b>Russian DX</b>	20 1200Z 0200Z <b>Michigan QSO Party</b>	16 1800Z 0400Z <b>Contest University</b>	18 0000Z 2400Z <b>All Asian CW</b>	16 1800Z 2100Z <b>CQ WW VHF</b>	20 1800Z 0600Z <b>NAQP SSB</b>	17 VARIES VARIES <b>WA/NJ/NH QSO Parties</b>	15 1500Z 1450Z <b>Worked All Germany</b>	19 2100Z 0300Z <b>ARRL SS SSB</b>	17 0000Z 2359Z <b>RAC Winter</b>
22 1800Z 0559Z <b>NAQP SSB</b>	23 0559Z 2200Z <b>CQ 160 SSB</b>	25 2200Z 2200Z <b>CQWW WPX SSB</b>	26 0000Z 2359Z <b>SP DX RTTY</b>	23 1200Z 1200Z <b>Hamvention</b>	24 1400Z 1700Z <b>ARRL Field Day</b>	23 1800Z 2100Z <b>Family Time</b>	27 1200Z 1200Z <b>WW Digi</b>	24 0000Z 2400Z <b>CQWW RTTY</b>	22 0000Z 2359Z <b>Prepare for Next weekend</b>	26 0000Z 2359Z <b>CQ WW CW</b>	24 0000Z 2359Z <b>Happy Holidays</b>
28 2200Z 2200Z <b>CQ 160 CW</b>			30 1200Z 1159Z <b>RUSSIAN WW MM</b>	1 0000Z 2400Z <b>CQ WPX CW</b>		30 1200Z 1200Z <b>RSGB IOTA</b>		29 0000Z 2400Z <b>CQ WW SSB</b>			