



YOU'RE INVITED!

WHERE:

PORTSMOUTH
GLEN

WHEN: OCTOBER
15, 16, 17

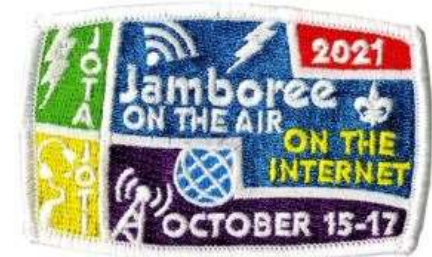
WHY: A LOT OF
FUN!



Radio Merit Badge
On-the-air Stations

*hosted by:
Newport County
Radio Club*

Radio Merit Badge



NCRC JOTA 2021
October Planning Status
Scouting JAMBOREE ON THE AIR
The Glen
15-17 October 2021

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JOTA – Background



- What is it?
 - Annual Scouting event that uses amateur radio to link Scouts around the world
 - NCRC's 6th Event
 - QST reported explosive growth in JOTA participation over 2011-2013 (5-10x growth in # of scouts)
 - 2012 JOTA had nearly 700,00 Scout participants from more than 13,500 amateur radio stations
 - BSA reported 2017 JOTA had more than 1.5 million Scout participants from more than 11,500 stations, nearly 20,000 amateur radio operators, and reached 160 countries
- Why do it?
 - Scouts are “seed corn” for the future of amateur radio
 - Scouting’s proven focus on community service
 - Scouting has a renewed interest in STEM (Science-Technology-Engineering-Math)



JOTA – When is it?



- The 65th JAMBOREE ON THE AIR starts Friday evening (October 15th) local time and runs through Sunday afternoon (October 17th)
- According to Scouts BSA: “There are no official hours, so you have the whole weekend to make JOTA contacts. ”



What are we doing?

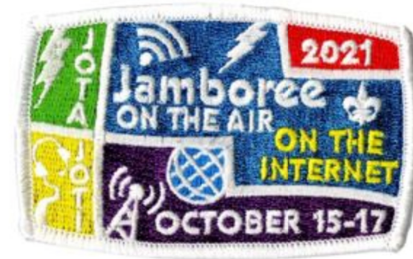


- NCRC
 - Boy Scout Radio Merit Badge Course
 - Three counselors
 - 10 minute on-the-air requirement
 - Roughly 50% of Technician License requirements
 - HF station / antenna
 - VHF station / antenna
 - D-star station / antenna
- BSA Narragansett Council
 - HF station / antenna (Matt - KB1FUP)



JOTA-Where is it?

Glen Park



10/13/2015



Glen "Parking"





Volunteer Opportunities



- Friday afternoon setup (1 PM)
 - Antennas and stations
- Saturday 0900 - 1700
 - Merit Badge Class: Jim KA1ZOU, Paul K1YBE, & Rob KB1ZZU need reviewers for scouts to demonstrate knowledge.
 - Station operators
 - HF: General and Extra class
 - VHF: TECH and up.
 - D-Star TECH and up.
- Sunday 0900 - 1200
 - Station operators
 - Merit badge reviewers



If You Can't Make the Glen...



Contact a Scout/JOTA station via your favorite mode:

- HF SSB Voice
- HF PSK-31
- 2 Meter FM Simplex
- 2 Meter FM via the W1SYE repeater
- D-STAR

• Contact details/frequencies at:

• <http://www.scouting.org/jota.aspx>

• <https://www.scouting.org/international/jota-joti/jota/operators-guides/>



Modes and Frequencies recommended for JOTA:

BACKUP SLIDES



HF SSB Voice



Band	WOSM Calling Frequencies	Suggested Band Segment for US Stations	Notes
80 m	3.940 & 3.690(1)	3.920 – 3.940 3.670 – 3.690 (1)	(1) Extra segment
40 m	7.190 & 7.090 (2)	7.180 – 7.200 7.270 – 7.290	(2) 7.090 not available in Region 2
20 m	14.290	14.270 – 14.290 14.320 – 14.340	
17 m	18.140	18.140 – 18.150	
15 m	21.360	21.360 – 21.400	
12 m	24.960	24.960 – 24.980	
10 m	28.390 (3)	28.350 – 28.400 (3)	(3) Includes Novices & Techs
6 m	50.160	50.160 – 50.200	



HF CW



Band	WOSM Calling Frequencies	Suggested Band Segment for US Stations	Notes
80 m	3.570 (3)	3.560 – 3.570 (3)	(3) Includes Novices & Techs
40 m	7.030 (3)	7.030 – 7.040 (3)	(3) Includes Novices & Techs
20 m	14.060	14.050 – 14.060	
17 m	18.080	18.070 – 18.080	
15 m	21.140 (3)	21.130 – 21.140 (3)	(3) Includes Novices & Techs
12 m	24.910	24.900 – 24.910	
10 m	28.180 (3)	28.170 – 28.180 (3)	(3) Includes Novices & Techs
6 m	50.160	50.150 – 50.160	



HF PSK-31

<http://bpsk31.com>



Call CQ JOTA. The chart below shows the commonly used frequencies for PSK-31.

Band	Frequency	Notes
80 m	3.580	
40 m	7.080 (4)	(4) Region 2 (USA). 7.040 to 7.060 for Regions 1 & 3
30 m	10.142	
20 m	14.070 (5)	(5) Most activity for JOTA will be on 20 m
17 m	18.100	
15 m	21.080 (6)	(6) Most activity can be found at 21.070
12 m	24.920	
10 m	28.120	



2 M and 70CM FM Simplex



2 Meter FM Simplex

147.450, 147.480, 147.510, 147.540* * Use 147.540 as Calling Channel. Always listen first to avoid interfering with another QSO or auxiliary or control link. Avoid 146.520, the National FM Simplex Calling Frequency, as well as 146.550, which is commonly used by mobiles and RVers.

70 CM FM Simplex

446.000*, 445.950, 446.050, 446.100, 446.150 * Use 446.000 as Calling Channel. Always listen first to avoid interfering with another QSO or auxiliary or control link.



DMR



<http://www.dmr-marc.net>

All wide area talkgroups are permitted for use for JOTA for establishing contacts. After contact is established, stations should utilize as few resources as possible. For international, national, and regional QSO's, stations should move their transmissions to one of the DMR-MARC UA talkgroups or to the DCI TAC-310 talkgroup.

For intrastate contacts, stations may use their area's statewide talkgroup (if applicable). The use of your repeater's local talkgroup (if applicable) is always permitted. A full list of repeaters and their available talkgroups can be found at <http://www.dmr-marc.net/repeaters.html>.

SIMPLEX Channels: 441.0000*, 446.5000, 446.0750, 433.4500, 145.7900*, 145.5100. All simplex frequencies operate on time-slot 1 and use color code 1. (*are commonly used as the National DMR Simplex Channels and should be used only as Calling Channels for JOTA. Always listen first to avoid interfering with another QSO.)

[DMR-Brandmeister](#)

Talk Groups : <https://brandmeister.network/?page=talkgroups>

Reflectors : <http://registry.dstar.su/dmr/reflector.db>



IRLP/EchoLink/APRS



IRLP

<http://irlp.net>

<http://www.irlptopics.net>

Use Topic Channel Node 9091 as a Common Meeting Place or Calling Channel. After contact, disconnect from 9091 and one station should connect to another's local node.

EchoLink

<http://www.echolink.org>

Software or apps available for Windows, Mac, iPhone/iPad, and Android. Dedicated Conference Node *JOTA-365* (node 480809). When contact is made on a Conference Node, it is recommended the two parties establish direct contact with each other to free up the Conference Node.

APRS

144.39

<http://aprs.org>

<http://aprs.org/cqsrvr.html>

CQSRVR: CQ JOTA

CQSRVR: CQ SCOUTS (other times of the year)



German WAG Contest



- Germany runs a contest during parts of the JOTA weekend. The organizers of this WAG contest limit the use of amateur radio frequencies in such a way that it allows both events to operate in parallel without interference. **Note that this is a world-wide arrangement, not just for Germany.**

The contest stations will not operate in the following segments (called "contest-free zone"):

- 80 m 3650 - 3700 kHz,
- 40 m 7080 - 7140 kHz,
- 20 m 14100 - 14125 and 14280 - 14350 kHz,
- 15 m 21350 - 21450 kHz,
- 10 m 28225 - 28400 kHz

There is no contest traffic on the 17, 12 and 6 m amateur radio bands. This leaves all World Scout Frequencies in the clear!!

- Scout stations may use the whole of each amateur radio band. If you experience any interference from the WAG contest, please move to the segments listed above to enjoy an interference-free contact.