

Montana QSO Party

2017 Rules

1) Objective:

To provide the opportunity for Amateur radio operators to contact Montana Amateur radio operators, and to activate as many Montana counties as possible in accordance with the rules of operation.

2) Montana QSO Party:

4th full weekend in January

Begin: 0000Z January 28th, (Friday January 27th, 5PM MDST)

End: 0000Z January 29th, (Saturday January 28th, 5PM MDST)

Total operating time = 24 hours.

3) Categories:

- (A) **SO** Single Operator, one transmitter (No assistance allowed)
- (B) **MS** Multiple operators, one transmitter. (Relief operators, loggers, spotting nets, CW Skimmer)
No Multi-Multi operations allowed.
- (C) **RS** Mobile/Rover, No multi-operator. Non-contest driver & operator counts as single operator

4) Modes:

- (A) **Mixed** Phone/CW/Digital - *Log each contact by actual mode used.*
(*PH/CW/PSK/RTTY/ect.*)
- (B) **PH** SSB, AM, FM
- (C) **CW** CW Only
- (D) **RY** Digital Only (All digital modes qualify)

5) Power multiplier:

<u>Category</u>	<u>Description</u>	<u>Multiplier</u>
(A) HP	Any QSO's over 150 watts	X1
(B) LP	Any QSO's 150 watts or less	X2
(C) QRP	All QSO's 5 watts or less	X3

Stations must operate the same power category for the entire QSO party.

Stations not indicating power level in their log will be scored as operating High Power.

6) QSO Party Exchange:

(A) Montana Stations send signal report and 3 letter Montana county designator.

A list of Montana Counties are shown below the rules or at www.fvarc.org

(B) Non-Montana Stations send signal report and State/Province or DX.

Call signs and exchange information must be received by each station for a complete QSO.

No cross-mode contacts. CW contacts must be made in the CW portion of the band.

7) Scoring:

(A) QSO Points:

Each complete non-duplicate SSB contact is worth one point.

Each complete non-duplicate CW or Digital contact is worth two points.

(B) Multipliers:

Montana stations:

Count 50 US States, (including MT, DC counts as MD) plus the 13 Canadian Provinces/territories QC, ON, MB, SK, AB, BC, NL, PE, NS, NB, YT, NT, NU, for 63 multipliers per mode of Phone, CW and Digital. (Not per band.) Total maximum multipliers = 189.

(Montana Mobiles count as a new multiplier in each new county activated).

Non-Montana stations:

Count Montana Counties for a maximum of 56 multipliers per mode of Phone, CW and Digital. (Not per band.)

Total maximum multipliers = 168.

Multipliers are counted once per mode of Phone, CW and Digital. (Not per band.)

DX contacts count for QSO points, but not multipliers. (Enter DX in the exchange.)

A list of Montana Counties are shown below the rules or at www.fvarc.org

(C) Final Score:

Total QSO points by mode multiplier by state/province/county multiplier by power multiplier.

Example: **(200 SSB QSOs X 1 + 100 CW/Digital QSOs X 2) X 30 States/province/county X 2 Low Power = 24,000 Points**

200 SSB QSOs	X 1	=	200
<u>100 CW/DIGITAL QSO's</u>	<u>X 2</u>	=	<u>+200</u>
Total		=	400
<u>30 States/Provinces/Counties</u>	<u>X 1</u>	=	<u>x030</u>
Total		=	12,000
<u>Low Power</u>	<u>X 2</u>	=	<u>x2</u>
Total Points		=	24,000

(D) Invalid Contacts:

Stations outside Montana may not count contacts with non-Montana stations or with DX stations.

8) Bands allowed:

160, 80, 40, 20, 15, 10, 6, 2 and 70cm - Simplex only! Repeaters and WARC bands not allowed!

All stations should operate with regard to the ARRL band plans!

9) Miscellaneous:

(A) Use of remote receivers/transmitters is not permitted.

(B) A multiplier may be counted only once per mode of Phone, CW, and Digital, regardless of number of bands which it is worked. (Mobiles count as a new multiplier in each new county activated).

(C) No station may claim simultaneous operation in more than one county, state, or province. A mobile or rover station must move a minimum of 500 feet before claiming to be in a new county, state, or province.

(D) Any transmitter used to contact one or more stations may not be subsequently used under any other call sign during the Montana QSO Party, with the exception of family stations where more than one call sign is assigned. Under these circumstances, no individual shall make a QSO utilizing more than one call sign.

(E) For latest Montana QSO Party rules, goto www.fvarc.org

10) Reporting:

(A) All stations include your station call sign & club's name (if applicable) in the log header and summary sheet.

(B) Do EACH of the following:

1.) Email as attachment files your Cabrillo V 3.0 log AND summary sheet to:

MTQSOParty2017@tuscot.net

Attachments should ONLY consist of two files, each labeled as follows:

1. Cabrillo V3.0 log file: **Callsign.log** (example: **N7LT.log**)
2. Summary file: **Callsign_sum.txt** (example: **N7LT_sum.txt**)

*DO NOT PUT LOGS OR SUMMARY IN BODY OF EMAIL!
SEND LOG AND SUMMARY FILES AS ATTACHMENTS,
PROPERLY LABELED!*

2.) Enter your scoring information at: <http://fvarc.org/?q=MT-QSO-Entry>

**(C) DEADLINE FOR SCORE ENTRY AND UPLOADING FILES TO THE
FVARC.ORG WEB SITE IS 1 WEEK AFTER THE MONTANA QSO PARTY ENDS!**

(D) NO PAPER LOGS ACCEPTED!

11) Awards:

Certificates will be mailed out for the following categories:

(A) 1st place certificates for each category of High Power, Low Power, QRP and Mobile.

(B) All other participants who submit a log to the web page will be able to download from the fvarc.org website a certificate of participation via a PDF download.

73 and good luck!

Lyndel Thiesen, N7LT

MT QSO Party Manager

Updated 2/6/2016

**Montana County List
56 Counties**

BEA	Beaverhead	HIL	Hill	RAV	Ravalli
BIG	Big Horn	JEF	Jefferson	RIC	Richland
BLA	Blaine	JUD	Judith Basin	ROO	Roosevelt
BRO	Broadwater			ROS	Rosebud
CAS	Cascade	LAK	Lake	SAN	Sanders
CHO	Chouteau	LEW	Lewis & Clark	SHE	Sheridan
CRB	Carbon	LIB	Liberty	SIL	Silver Bow
CRT	Carter	LIN	Lincoln	STI	Stillwater
CUS	Custer			SWE	Sweet Grass
DAN	Daniels	MAD	Madison	TET	Teton
DAW	Dawson	MEA	Meagher	TOO	Toole
DEE	Deer Lodge	MCC	McCone	TRE	Treasure
FAL	Fallon	MIN	Mineral	VAL	Valley
FER	Fergus	MIS	Missoula	WHE	Wheatland
FLA	Flathead	MUS	Musselshell	WIB	Wibaux
GAL	Gallatin	PAR	Park	YEL	Yellowstone
GAR	Garfield	PET	Petroleum		
GLA	Glacier	PHI	Phillips		
GRA	Granite	PON	Pondera		
GOL	Golden Valley	PRA	Prairie		
		PWD	Powder River		
		PWL	Powell		

MTQP Cabrillo Template

```
-----info sent----- -----info rcvd-----
QSO: freq mo date      time call          rst qth      call          rst qth
QSO: nnnnn aa yyyy-mm-dd nnnn ***** nnn  aaaa ***** nnn  aaaa
QSO: 7000 PH 2011-04-09 0218 KI7MT          59  LEW      N7LT          59  FLA
0000000001111111111222222222233333333334444444444555555555566666666667777777777
123456789012345678901234567890123456789012345678901234567890123456789
```

MTQP Sample log

```
START-OF-LOG: 3.0
CREATED-BY: GenLog v7.44
LOCATION: MT
CONTEST: MT-QSO-PARTY
CALLSIGN: KI7MT
CATEGORY: SINGLE-OP LOW
CLAIMED-SCORE: 120
OPERATORS: KI7MT
NAME:
ADDRESS: Montana
SOAPBOX:
QSO: 7000 PH 2011-04-09 0218 KI7MT          59  LEW      N7LT          59  FLA
QSO: 7000 PH 2011-04-09 0221 KI7MT          59  LEW      AF7B          59  GAL
QSO: 7000 CW 2011-04-09 0224 KI7MT          599 LEW      SM3CER        599 SM
QSO: 7000 CW 2011-04-09 0226 KI7MT          599 LEW      W3KM          599 PA
QSO: 3500 CW 2011-04-09 0233 KI7MT          599 LEW      KH6LC        599 HI
QSO: 3500 RY 2011-04-09 0300 KI7MT          599 LEW      W0RSJ        599 GOL
QSO: 3500 RY 2011-04-09 0304 KI7MT          599 LEW      N7LT          599 FLA
END-OF-LOG:
```

Notes:

- 1) All times are UTC.
- 2) All non-CW digital QSOs are RY in Cabrillo for duping and mult count.
- 3) LOCATION: tag is used to identify MT stations in log checking software.
ie: LOCATION: MT. All non-MT can be LOCATION: EPA, LOCATION: PA, LOCATION: DX
etc.
- 4) Band can be the actual radio frequency ex: 14026 or band identifiers ex:
14000.
- 5) Cabrillo filenames are urCall.log or urCall.cbr - urCall is your callsign.

Score Summary Sample:

MT QSO PARTY Summary Sheet

Start Date : 2016-01-23

CallSign Used : N7LT
Operator(s) : N7LT

Operator Category : SINGLE-OP
Band : ALL
Power : LOW
Mode : MIXED

Default Exchange : MT
Gridsquare : DN28VC

Name : Lyndel Thiespn
Address : 104 Treweek Dr.
City/State/Zip : Kalispell MT 59901
County : Flathead

ARRL Section : MT
Club/Team :
Software : N1MM Logger V13.11.1

Band	Mode	QSOs	Pts	Mu1	Mt2
14	USB	48	96	13	1
21	USB	20	40	8	0
28	USB	6	12	5	0
Total	Both	74	148	26	1

Score : 3,996
Rig : IC-7200

Antennas : 920 ft Long wire

Soapbox : Another fun year working lots of stations.

I have observed all competition rules as well as all regulations established for amateur radio in my country. My report is correct and true to the best of my knowledge. I agree to be bound by the decisions of the Contest Committee.

Date : 2016-01-24

Signature :