

Field Day 2020

Radio in the Time of COVID-19

What is Field Day?

- Single most popular on-the-air event for amateur radio
- Practice for emergencies
- Contest
- Demonstration
- Social gathering

Field Day Particulars

- Set up a functioning amateur radio station(s) in unusual/abnormal conditions
- Work as many stations as you can on 160m, 80m, 40m, 20m, 15m, 10m HF bands and all bands above 50 MHz
- Date and time: Saturday, June 27 starting at 18:00 UTC (13:00 CDT), lasting 24 hours

Entry Categories

Class	Description	Participants	Power Limit	Power Source
A	Club/non-club portable	3+	No limit	Non-commercial
A-Commercial	Club/non-club portable	3+	No limit	Commercial
A-Battery	Club/non-club portable	3+	5 watts	Non-commercial
B	Portable	2 max	No limit	Commercial
B-Battery	Portable	2 max	5 watts	Non-commercial
C	Mobile		No limit	Non-commercial
D	Home*		No limit	Commercial
E	Home - Emergency Power		No limit	Non-commercial
F	EOC		No limit	Non-commercial

How to participate in Field Day

- The objective is to contact other stations to exchange and correctly log specific information defined in contest rules
- Remember: you must operate according to FCC rules be sure to operate in band segments your license class allows
- Two ways to make contacts:
 - Search and Pounce : tune up and down the bands and work stations calling 'CQ Field Day'
 - Park and Bark: Find a clear frequency and call 'CQ Field Day'

Exchange

- Stations in ARRL/RAC (Canadian) sections:
 - Number of stations operating (most home stations have 1 transmitter)
 - Class (A, B, C, etc.)
 - ARRL/RAC Section (AR)
 - ARRL/RAC Section List: http://www.arrl.org/files/file/Field-Day/2020/4_35-2020%20Section%20List.pdf
 - Exchange Example: 1E AR
- DX Stations:
 - Stations outside US and Canada Section = DX (eg 2A DX)

Search and Pounce

1. Find someone calling CQ: CQ FD, CQ FD, WB5SPA, CQ FD
2. Transmit your call sign W5TCB
3. Listen and record W5TCB, please copy 3A AR
4. Respond QSL, please copy 1E AR
5. End of exchange QSL, 73, QRZ?
6. Move on to the next station calling CQ

Park and Bark

1. Find a clear frequency:
2. Start calling CQ:
3. Listen for a station:
4. Respond to the station:
5. WB5SPA responds:
6. End of exchange:
7. If a new station responds, go to step 4.
8. If no response, go to step 2.

Is this frequency in use? This is W5TCB
CQ FD, CQ FD, W5TCB, CQ FD
WB5SPA
WB5SPA, please copy 1E AR
QSL, please copy 3A AR
QSL, 73, QRZ? W5TCB Field Day

But I'm only a Technician...

- 30 MHz and up, all modes (FM, SSB, CW, Digital)
- No repeaters, simplex only
 - Try 146.460 MHz simplex for 2m FM Field Day contacts. Other simplex frequencies are fine but try to avoid using 146.520 the normal calling frequency. If 146.460 is busy, try 146.430 and 146.490 as secondary frequencies for FM contacts.
 - VHF band plan “reserves” 146.40 through 146.58 for simplex use.
- VHF Operation and Field Day: http://www.arrl.org/files/file/Field-Day/2020/1_66-2020%20Above%2030%20MHz.pdf

Logging

- By hand
 - Log Sheet - <http://www.arrl.org/files/file/Field-Day/2019/2019%20FD%20Log%20Sheet.pdf> (do not send to ARRL)
 - Dupe Sheet - <http://www.arrl.org/files/file/Field-Day/2019/2018-Field-Day-2-page-dupesheet.pdf> (send this to ARRL with your bonus documents)
- By computer
 - There are several good logging programs available; some are free, some require payment
 - N1MM+
 - N3FJP
 - Submit a Cabrillo format log file in addition to your bonus point documents

Scoring

- QSO points
 - Phone = 1
 - CW = 2
 - Digital = 2
- Power multipliers
 - 5 for 5W or less using power from sources other than commercial or motor driven generators
 - 2 for 5W or less using commercial or motor driven generator
 - 2 for contacts made using more than 5 W and up to 150 W
 - 1 for contacts made using more than 150W

Scoring

- We will be allowed to aggregate scores on behalf of WB5SPA.
- On your entry, for the club name, use only: WB5SPA
- ARRL will report scores for the individual stations and a combined score for all entries submitted with the same club name.

Bonus Points

- Copy and submit W1AW Bulletin (100 points)
- Send a message via RF to Section Manager (100 points)
- Message handling (10 points per message, 100 points max)
- Alternate Power (solar, wind, methane or water; only need five alternate power QSOs to claim a 100 point bonus)
- 100% emergency power (100% of contacts must be made by emergency power, 100 points per transmitter)
- Web submission of FD scores (50 points)
- See ARRL rules for other bonus opportunities

Log Submittal

- Results must be delivered to ARRL by Tuesday July 28, 2020
- Receive 50 bonus points if you submit results via the web:
<http://field-day.arrl.org/fdentry.php>
- Submit by:
 - FD Web App: Bonus points awarded for web submission
 - USPS
 - FedEx and etc.

For more information...

- ARRL FD Website: <http://www.arrl.org/field-day>
- FD Rules: <http://www.arrl.org/field-day#rules>
- ARRL Creative Approaches: <http://www.arrl.org/files/file/Field-Day/2020/Creative%20Approaches%20to%20Field%20Day%202020.pdf>
- ARRL Planning your 2020 FD Operation: <https://www.arrl.org/planning-your-arrl-field-day-2020-operation>
- W1AW Bulletin Sked: <http://www.arrl.org/news/w1aw-announces-field-day-bulletin-schedule>
- ARRL/RAC Section List: <http://www.arrl.org/contest-sections-list>