ARRL Field Day 2020

Palo Alto Amateur Radio Association

June 27, 2020

By: Darryl Presley KI6LDM
PAARA Day – A Time To Adapt

• COVID-19 has changed nearly every aspect of life as we know it
  • Social Distancing of six feet or greater
  • Small group gatherings of no more than 10 people
  • No station coaches including GOTA
  • No public setup or public displays
  • Even if Shelter-In-Place is lifted, the above restrictions will still be in place
PAARA Field Day – A Time To Adapt

• A quote from an ARRL Field Day article:

  “With any emergency preparedness exercise, it’s not about adapting the situation to your operation, it’s about adapting your operation to the situation that presents itself.”

• Therefore, this year’s Field Day objectives are:
  • For all participating CARES members to have fun
  • Keep people from getting sick
  • Adapt our operations to the current situation
PAARA Field Day – A Time To Adapt

- No physical setup
- No GOTA station
- No city activation number required
- Sadly, no food or drinks will be provided

- All clubs and groups are working out how they will operate on Field Day
PAARA Field Day – A Time To Adapt

• Recent changes for Field Day 2020:

• Two Field Day rule waivers or variances published on May 27, 2020 driven by the COVID-19 Pandemic
  • 1) For Field Day 2020 only, Class D stations may work all other Field Day stations, including other Class D stations, for points.
  • 2) In addition, for 2020 only, an aggregate club score will be published, which will be the sum of all individual entries indicating a specific club (similar to the aggregate score totals used in ARRL affiliated club competitions).

• [http://www.arrl.org/temporary-rule-waivers-for-arrl-field-day-2020](http://www.arrl.org/temporary-rule-waivers-for-arrl-field-day-2020)
PAARA Field Day – A Time To Adapt

• How do the two rules affect PAARA Field Day?

• The first rule allows any home station operating as class D (home station) to work all Field Day stations including other class D stations home stations

• In previous years, class D stations could work class A, B, C, E and F but not any class D stations

• This allows for more contacts to be made
PAARA Field Day – A Time To Adapt

• How do the two rules affect PAARA Field Day?
• The second rule effectively removes the 1,000 foot diameter circle requirement, but...
  • Each participant operates from home, mobile, etc. and uses their own call sign
  • Each participant will assume their own class and section
  • Each participant logs their own contacts
  • Each participant submits their own Field Day entry using the Field Day web submission form:
    • https://field-day.arrl.org/fdentry.php
    • Each enter “PALO ALTO AMATEUR RADIO ASSOCIATION” on the form labeled “Club or group name”
PAARA Field Day

- ARRL Class
  - Class A: Club or Group of 3 or more persons
  - Class B: No more than two persons typically running on battery power or non-commercial power
  - Class C: Mobile -- vehicle, marine, aeronautical
  - Class D: Home station running on commercial main power
  - Class E: Home station running on emergency power
  - Class F: Emergency Operation Center (EOC) – CARES operates in this class

- The number preceding the class designator is the number of transmitters simultaneously operating
  - Eg: 1D = 1 transmitters operating in class D
  - Eg: 1E = 1 transmitter operating in class E
PAARA Field Day

• ARRL Section / RAC section

• ARRL / RAC section is an abbreviation of the ARRL section you are operating from
  • RAC: Radio Amateur of Canada

• ARRL Section Region 6 in San Francisco Bay Area:
  • SF: San Francisco
  • EB: East Bay
  • SCV: Santa Clara Valley

• All ARRL / RAC sections can be found in the ARRL Field Day 2020 packet (in PDF)
PAARA Field Day

• What bands can be used for Field Day?
• All work bands
  • Includes: 160m, 80m, 40m, 20m, 15m, 10m, 6m, 2m 220, 440
  • Excludes: 60m, 30m, 17m and 12m
• Modes:
  • Digital
    • CW, PSK31, RTTY, FT8, FT4, Packet
  • Non-Digital
    • SSB phone, FM Voice
PAARA Field Day

• What types of contacts do NOT count for Field Day?

• Any contacts made using repeaters
  • No contacts via FM repeaters, IRLP, Echolink, DMR
  • Contacts made via Satellite are exempt
PAARA Field Day

• Field Day has arrived, you need to:
• Decide what class you will operate as and the number of transmitters, once you start you cannot change it
  • Example: 1D – Home station commercial power (“one delta”)
  • Example: 1E – Home station emergency power (“one echo”)
• Your ARRL section will most likely be SCV – Santa Clara Valley
• Your exchange will then be:
  • Your callsign, Class, Section
  • Example: KI6LDM, 1E (One Echo Sierra Charley Victor)
• REMEMBER: Class D stations can work all Field Day classes including other class D stations per the first rule waiver
PAARA Field Day

• What if I only have a 2m/440 HT?
• Field Day is for *every ham* that wants to participate and we encourage you to join in on the fun!!
• Your exchange will be 1B SCV
• It's expected that there will be a lot more 2m/440 participants this year AND you can claim the 5X power multiplier for operating 5 watts or less from your HT
• Use the 2m simplex frequencies: 146.460, 146.505, 146.520, 146.535 to make contacts. National calling frequency: 146.52
• Use the 440 band as well
• Just don’t use any repeaters for making Field Day contacts
• Don’t forget to log your contacts
PAARA Field Day

• Digital Modes

• CW, PKS31, RTTY, FT8, FT4

• Digital contacts are worth 2 points each

• The most popular digital mode for this year’s Field Day will be FT8 and FT4

  • Requires WSJT-X version 2.1.2 for Windows 10 and Linux
  • Has a built-in logging feature
  • Can be used on HF, 6m, 2m
  • For Field Day operations, configure WSJT-X for Field Day and enter your class and section
    • File -> Settings -> Advance, check the box for Special operating activity, then select ARRL Field Day, then enter your class and ARRL/RAC section i.e., 1E SCV
PAARA Field Day

• Logging for Field Day

• There are a number of logging programs
  • N1MM   Free
  • WriteLog $30.00
  • N3FJP   $9.00
  • Microsoft Excel can also be used to log contacts

• It is not required to submit cabrillo or ADIF logs for Field Day
• You do not need to have an account on Logbook of the World
• Log your contacts in whatever way works best for you
• WSJT-X has a built in logging feature
• After Field Day, sort your contacts by band and mode
PAARA Field Day

• Logging for Field Day

• Required information to log
  • Band the contact was made on (or frequency)
  • Date
  • Time (UTC)
  • Mode i.e., CW, LSB / USB, FM, PSK31, FT8, FT4
  • Station worked call sign
  • Exchange received: Class I, e.g., 1D OR, 2B AB, 1E STX

• Most logging programs provide a Field Day specific logging feature
## PAARA Field Day

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<th>Time (UTC)</th>
<th>Call Sign</th>
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PAARA Field Day

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</table>
PAARA Field Day

- Field Day 2020 is over, time to submit your entry
  1. Collect any supporting documents to support any claimed bonus points
  2. Total up your contacts by band and by mode
  3. Package up your logs (hopefully they are on your computer)
  4. Go to https://field-day.arrl.org/fdentry.php
  5. Enter YOUR call sign, your location in the ARRL/RAC section drop-down list
  6. On the form “Club or group name”, enter “PALO ALTO AMATURE RADIO ASSOCIATION”
  7. Enter the number of participants and simultaneous transmitters
  8. Check the class you operated as: B, C, D, or E
  9. Check the Power Sources, all that apply
PAARA Field Day

• Field Day 2020 is over, time to submit your entry
9. For bonus points, only check the ones you did i.e., copy the W1AW bulletin and attach any supporting documents/files
10. Enter your QSO counts by band and mode per the table in the form
11. Do not enter anything for GOTA
12. Double check your information
13. Provide your name, call sign and email to confirm
14. If all is correct, click Submit Entry
15. Add any further comments as you wish
16. You will receive an email with your total score and breakdown. The email will contain a link for making changes if necessary.

• Entries must be submitted within 30 days of Field Day
PAARA Field Day

2020 Field Day Entry

Attention: Entries for the 2020 Field Day are not being accepted until its start at 2020-06-27 18:00:00

Complete this form to submit your Field Day Entry to the ARRL for review and tabulation. You can access a help page by clicking on [ ] next to an item on the form. Notes: You can select documentation files for up to the documents at a later time. Each document can not be larger than 6 MB.

- Call Used
- GOTA Station Call
- Location
- Select ARRL/RAC section

- Club or Group Name

- Number of Participants
- Number of Transmitters in simultaneous operation

Entry Class (check only one):
- A. Club or non-club group portable
- B. 1 or 2 person non-club group portable
- C. Mobile
- D. Home station commercial power
- E. Home station emergency power
- F. EOC station

- List of calls of operators

Power Source (check all that apply):
- Generator
- Commercial mains
- Battery
- Solar
- Other (list)

Power Multiplier (check only one):
- 5 watts or less and battery powered = 5x
- 150 watts or less = 2x
- Over 150 watts = 1x
### PAARA Field Day

**Bonus Points** claimed: Check each box as appropriate and include required proof of points with your submission. All bonus points will be verified at ARRL HQ and added to your score.

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<td>Upload documentation: Choose File</td>
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Note: Bonus points for satellite QSO, GOTA QSOs and web submission will be automatically determined from info entered elsewhere on this form.
PAARA Field Day

### Band/Mode QSO Breakdown

<table>
<thead>
<tr>
<th>Band</th>
<th>QSOs</th>
<th>Pwr(W)</th>
<th>QSOs</th>
<th>Pwr(W)</th>
<th>QSOs</th>
<th>Pwr(W)</th>
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<tbody>
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<td>15m</td>
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<td>10m</td>
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<tr>
<td>Satellite</td>
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</tbody>
</table>

I/We have observed all competition rules as well as all regulations for amateur radio in my/our country. My/Our report is correct and true to the best of my/our knowledge. I/We agree to be bound by the decisions of the ARRL Awards Committee. Submission of this form indicates my/our agreement with these statements.

Name: __________________________
Call: __________________________
E-mail Address: __________________________

You'll have an opportunity to enter comments using a link on the confirmation page.

Submit Entry  Clear Form
PAARA Field Day

• Some Final Comments
• All FCC Part 97 rules apply during Field Day
• Operate with in your license class band privileges
• If there is an active hurricane, please stay clear of 14.300MHz and 14.325MHz
• We can help you with submitting your Field Day entry as needed
Interested in Getting Your Amateur Radio License?

• The following are links to several VE and test locations for obtaining your amateur radio (ham) licenses:
  
  • Sunnyvale VEC ARC [www.amateur-radio.org/](http://www.amateur-radio.org/)
  • BAEARS - Bay Area Educational Amateur Radio Society [www.baears.com/](http://www.baears.com/)
  • Silicon Valley VE Group – Saratoga Fire Station [www.svve.org/](http://www.svve.org/)
  • W5YI-VEC [www.w5yi.org](http://www.w5yi.org)

The ARRL Amateur Radio Relay League
www.arrl.org, Search for VEC:
[www.arrl.org/find-an-amateur-radio-license-exam-session](http://www.arrl.org/find-an-amateur-radio-license-exam-session)

Ham Radio Outlet
2210 Livingston S
Oakland, CA 94606 (510) 534-5757