



# Field Day 2021

Your Guide to Fun and Survival

W2HO



# What is Field Day?

- Widely sponsored Annual amateur radio exercise encouraging emergency communications preparedness among amateur radio operators.
- It's an American Radio Relay League (ARRL) Contest to work as many stations as possible on designated amateur bands and to learn to operate in abnormal situations in less than optimal conditions.
- It's a Club Activity, a Social gathering for camaraderie, friendship, sharing of ideas, and technical experimentation.



# Objective

- Contact as many other stations as possible on any and all amateur bands.
  - Excluding the 60, 30, 17, and 12 meter bands
- Develop skills to meet the challenges of emergency preparedness and acquainting the general



# When

- Always the fourth full weekend in June.
  - June 26-27, 2021
- Starts 1800 UTC / 1400 EDT Saturday.
- Ends 1800 UTC / 1400 EDT Sunday.
- Get to know time notation and conversion



# Participation

- All amateurs in US and Canada and possessions.
- DX stations may be contacted for credit but are not eligible to



# Scoring

- 1 point for each voice contact.
- 2 points for each CW or Digital contact.
- Add total points for all QSOs.
- Power Level (<150W) gives us a 2x to total QSO Points



# Bonus Points

- 100% Emergency Power - 100 points
- Satellite QSO (just 1) – 100 points.
- Originating Message to SM – 100 points
- Handling messages – 10 points each, max 100 points
- Copying special FD bulletin on W1AW - 100 points
- Web submission of FD – 50 points



# Entry Categories

- Class A - Portable with 3 or more operators using 100% emergency power
- Class B - One or two people operating portable
- Class C - Mobile
- Class D - Home Station using Commercial Power
- Class E - Home Station using Emergency Power

**Home is 1D “One Delta” if on home power**

**Cronomer likely 4A “Four Alpha”**





# ARRL Sections

- 71 Sections.
- Basically each US state and Canadian province.
- Each state may be divided into several sections.
  - New York is 4 sections
  - New Jersey is 2 sections



# ARRL Section Examples

Maine	ME		Northern New Jersey	NNJ
New Hampshire	NH		Southern New Jersey	SNJ
Eastern Massachusetts	EMA		Delaware	DE
West Massachusetts	WMA		Eastern Pennsylvania	EPA
Vermont	VT		Maryland & DC	MDC
Rhode Island	RI		Western Pennsylvania	WPA
Connecticut	CT		Virginia	VA
Eastern New York	ENY		Georgia	GA
Western New York	WNY		Ohio	OH
NYC and Long Island	NLI		West Central Florida	WCF

**You are ENY “Eastern New York”**



# The Contact Exchange

- In order to make a valid contact, the information to be exchanged consists of:
  - Number of simultaneous transmitters you are running
  - Class of operation.
  - ARRL Section (DX Contacts use DX)

"I'm operating with the club at Cronomer" then you are 4A ENY

"I'm operating from an easy chair in my shack from commercial power"  
then you are 1D ENY

"I'm operating from an easy chair in my shack with radios running on  
emergency power" then you are 1E ENY

"I'm camped in the yard with radios running on emergency power" then  
you are still 1E ENY

"I'm cruising the hood or parked" then you are 1C ENY



# Exchange Accuracy

You must copy the information correctly from  
the other station

AND...

The other station must copy your information  
correctly

OR ELSE...



# ITU Phonetics

Alpha	Bravo	Charlie	Delta
Echo	Foxtrot	Golf	Hotel
India	Juliet	Kilo	Lima
Mike	November	Oscar	Papa
Quebec	Romeo	Sierra	Tango
Uniform	Victor	Whiskey	X-Ray
Yankee	Zulu		



# Strategy

- “Hunt & Pounce”
  - Roam the bands, looking for stations who are calling CQ and answering them.
  - You can avoid stations with big pileups, there is always later.
- “Sitting” on a Frequency calling CQ and wait for them to come to you.
  - You never know who will answer.
  - Usually can work a lot more stations (more points, higher QSO rate.)
  - May have to handle a pileup



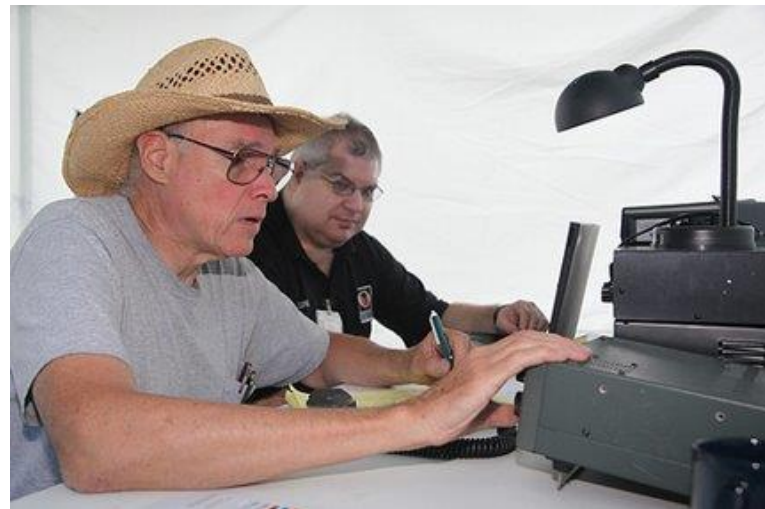
# Exchange “Hunting”

- CQ Field Day, CQ Field Day, CQ Field Day from, Whiskey One Alpha Whiskey, Whiskey One Alpha Whiskey, W1AW

- **W1AW this is W2HO**

or just

- **W2HO**



# Exchange “Hunting” (2)

- W2HO this is W1AW, please copy Seven Alpha Connecticut, Seven Alpha Connecticut, QSL?
- **QSL, please copy Four Alpha Eastern New York, Four Alpha Eastern New York**





# Exchange “Sitting”

**CQ Field Day, CQ Field Day, CQ Field Day from,  
Whiskey Two Hotel Oscar, Whiskey Two Hotel  
Oscar, W2HO**

W2HO this is W1AW  
or just  
W1AW



# Exchange “Sitting” (2)

- **W1AW this is W2HO, please copy Four Alpha Eastern New York, Four Alpha Eastern New York, QSL?**
- QSL, please copy Seven Alpha, Connecticut, Seven Alpha, Connecticut
- **QSL, 73, QRZ, W2HO ?**





**@ Cronomer**

**W2HO**



# Overview

## Location

Longitude : -74.0461 W (-74° 2' 46" W)

Latitude : 41.53614 N (41° 32' 10" N)

Grid locator : FN21XM

## Operator Schedule

Flexible schedule in one hour slots

No GOTA Station

Guests will team up on Club Stations

VHF/UHF Station Opportunistic

Play this card for any band openings (Sporadic-E) on Six meters

Network Logging

N3FJP ARRL Field Day Contest Log



# Bonus Points

- Media Publicity – 100 points
- Public Location – 100 points
- Public Information Table – 100 points.
- Demo of non-traditional modes (FT4/8) - 100 points each, 300 points maximum.
- Site visit by elected government official - 100 points.
- Site visit by agency representative - 100 points.
- Youth participation
  - 20 points per youth (18 or younger) who completes at least one contact (max. 100 points)
- 100% Emergency Power gives us 100 points per transmitter
  - (4 x 100 = 400 Points.)



# Friday, June 25

# Operations

1200 EDT: Meet at Cronomer Hill Tower to setup  
Antennas and feedlines  
Additional items if overnight security

# Saturday, June 26

0900 EDT: Meet at Cronomer Hill Tower to setup  
Shelter, Power, Club Station  
1400 EDT: Field Day Contest Starts



# Sunday, June 27 Operations (2)

1230 EDT: Teardown of non-essentials.

1400 EDT: Field Day Contest ends, Begin teardown





# Site Planning



Club Station under tower  
Other stations on right  
side of path to tower  
Antennas anchored off  
tower to trees  
Fluid discussion  
Filters (?)







# Questions?





Orange County  
Amateur Radio Club, Inc.