

AVARC & KCARC

Field Day 2024!

21-23 June 2024



Al Penney
VO1NO

What is Field Day?



Al Penney
VO1NO

What is Field Day?

- An emergency preparedness exercise;
- A contest;
- A public relations opportunity;
- A learning opportunity;
- An outstanding social occasion; and
- The most fun you'll have all year!

AVARC/KCARC Field Day 2024!

Outline

- Dates/Times
- Schedule
- How to get there
- Site Layout
- Generators
- Category and Callsigns
- ARRL Sections
- Rules
- Station Captains
- Bonus Points
- GOTA Station
- Educational Activity
- Alternate power
- Food
- Budget
- Publicity
- Clothing
- Safety
- Covid Precautions
- Network & Logging
- Volunteers
- Operating Notes
- Exchange

Dates/Times

- Setup starts 1000, Friday 21 June
- Contest starts 1500 Saturday 22 June
- Contest ends 1500 Sunday 23 June

Detailed Schedule

- **Friday 21 June**

1000	Arrive, start setup
1200 - 1300	Lunch (bring own)
1300 - 1900	Continue setting up

NOTE: Cumulative setup time not to exceed 24 hours

Detailed Schedule

- **Saturday 22 June**

0800	Continue setup
1200 - 1300	BBQ Lunch
1300 – 1500	Confirm stations
1500	Operations start
1800 – 1900	Pizza supper (in shifts)

Detailed Schedule

- **Sunday 23 June**

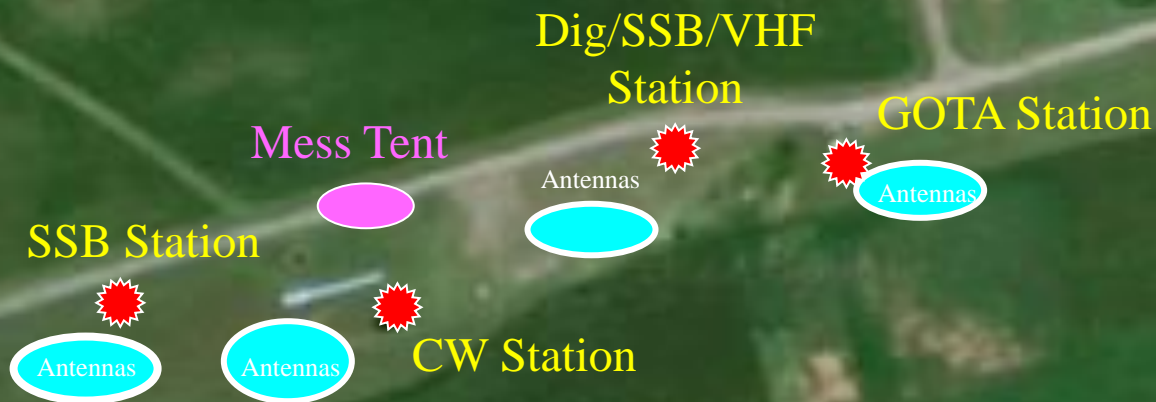
0700	Breakfast
0900 – 1200	Open for visitors
1200 – 1300	Lunch (in shifts)
1300 – 1500	Open for visitors
1500	Operations cease, teardown

Field Day Location!

Field Day Site
211 Collins Road



Field Day 2024



Al Penney
VO1NO















Antennas

- HF Digital/SSB
 - 20/15/10M Beam
 - 80/40M dipoles
- HF SSB
 - 20/15/10M Beam or
 - All-Band Doublet
 - 80/40M dipoles
 - 40M Vertical
- GOTA
 - Wire All-Band Doublet
- HF CW
 - Wire All-Band Doublet
 - 40M Vertical
- VHF
 - 5 Element 6M Yagi
- Satellite
 - 2M Eggbeater
 - 70cm Eggbeater

Generators

- GOTA, HF Digital/SSB, Satellite and VHF stations will use 3 kW generator supplied by AI, VO1NO.
- HF SSB, HF CW stations and Mess Tent will use generators provided by Barry, VE1QY and/or Will VA1HEL.

Category & Callsigns

- Category 3A (Three Alpha)
- Callsigns:
 - Main stations: VE1LD
(Victor Echo One Lima Delta)
 - GOTA station: VA1AVR
(Victor Alpha One Alpha Victor Romeo)

Field Day Categories

- Number indicates # of HF stations.
- Letter indicates source of power and operators:
 - A: Club or Non-Club portable, emergency power
 - B: 1 or 2 person portable, emergency power
 - C: Mobile stations (includes Aeronautical and Maritime Mobile)
 - D: Home stations, normal power
 - E: Home stations, emergency power
 - F: Emergency Operations Centers

Field Day Exchange

- The Exchange includes both the operating category AND the ARRL Section
- Both MUST be copied accurately by BOTH stations in order for the QSO to count!
- Please take the time to copy what the other station says, and ensure you enter it properly in the log.

ARRL Sections

Callsign Area 1

- Connecticut CT
- Eastern Massachusetts EMA
- Maine ME
- New Hampshire NH
- Rhode Island RI
- Vermont VT
- Western Massachusetts WMA

Call Sign Area 2

- Eastern New York ENY
- New York City - Long Island NLI
- Northern New Jersey NNJ
- Northern New York NNY
- Southern New Jersey SNJ
- Western New York WNY

ARRL Sections

Call Sign Area 3

- Delaware DE
- Eastern Pennsylvania EPA
- Maryland-DC MDC
- Western Pennsylvania WPA



Call Sign Area 4

- Alabama AL
- Georgia GA
- Kentucky KY
- North Carolina NC
- Northern Florida NFL
- South Carolina SC
- Southern Florida SFL
- West Central Florida WCF
- Tennessee TN
- Virginia VA
- Puerto Rico PR
- Virgin Islands VI

ARRL Sections

Call Sign Area 5

- | | |
|---------------|-----|
| • Arkansas | AR |
| • Louisiana | LA |
| • Mississippi | MS |
| • New Mexico | NM |
| • North Texas | NTX |
| • Oklahoma | OK |
| • South Texas | STX |
| • West Texas | WTX |

Call Sign Area 6

- | | |
|----------------------|-----|
| • East Bay | EB |
| • Los Angeles | LAX |
| • Orange | ORG |
| • Santa Barbara | SB |
| • Santa Clara Valley | SCV |
| • San Diego | SDG |
| • San Francisco | SF |
| • San Joaquin Valley | SV |
| • Sacramento Valley | SV |
| • Pacific | PAC |

ARRL Sections

Call Sign Area 7

- Arizona AZ
- Eastern Washington EWA
- Idaho ID
- Montana MT
- Nevada NV
- Oregon OR
- Utah UT
- Western Washington WWA
- Wyoming WY
- Alaska AK

Call Sign Area 8

- Michigan MI
- Ohio OH
- West Virginia WV

Call Sign Area 9

- Illinois IL
- Indiana IN
- Wisconsin WI

ARRL Sections

Call Sign Area 0

● Colorado	CO
● Iowa	IA
● Kansas	KS
● Minnesota	MN
● Missouri	MO
● Nebraska	NE
● North Dakota	ND
● South Dakota	SD

Canadian Area Call Sign

● Nova Scotia	NS
● Newfoundland/Labrador	NL
● Prince Edward Island	PE
● New Brunswick	NB

Canadian Area Call Sign

● Quebec	QC
● Ontario East	ONE
● Ontario North	ONN
● Ontario South	ONS
● Golden Horseshoe	GH
● Manitoba	MB
● Saskatchewan	SK
● Alberta	AB
● British Columbia	BC
● Northern Territories	TER
● (includes the Northwest, Yukon and Nunavut Territories)	

Rules

- Only 3 HF signals plus GOTA station, satellite station and VHF/UHF station
- Max 100 watts
- No WARC bands
- Can't operate and later work us from home
- No repeaters allowed
- Each phone, cw and digital band segment considered a separate band
- May work a station once per band
- No more than one band/mode at a time (excluding the GOTA station)

Station Captains

- Overall Coordinator – Al VO1NO
- HF CW – Wayne VE1BAB, Bob VE1RSM
- HF SSB – Fred VE1FA
- HF Digital/SSB – Richard VE1RPX
- VHF Digital/SSB – Al VO1NO
- Satellite – Al VO1NO
- GOTA – Al VO1NO
- Food Services – Lysle VE1BZE
- Safety – Wayne VE1BAB
- Computer Network – Will VA1HEL, Bob VE1RSM

Bonus Points!

- 100% emergency power
- Media Publicity
- Public Location
- Information Table
- Message to SM
- Message Handling
- Satellite QSO
- Youth Participation
- Social Media
- Alternate Power
- Copy W1AW Bulletin
- Educational Activity
- Elected Official Visit
- Served Agency Visit
- Safety Officer
- Web Submission
- GOTA Bonus Points

Get On The Air Station

- “Extra” station for:
 - Amateurs without HF privileges
 - Amateurs licensed since last Field Day
 - “Inactive” HF Amateurs
 - Unlicensed “Hams to Be”!
- No limit on number of QSOs
- Can use HF, VHF, UHF (no repeaters)
- * A list of all GOTA operators must be sent with the Field Day submission



GOTA Bonus Points

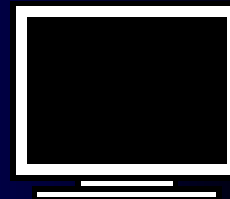
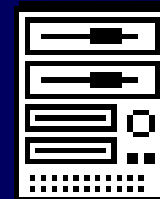
- 7.3.13.1. **Any successfully completed contacts** made by an operator at the GOTA station are **worth five (5) bonus points**, regardless of mode used. The GOTA bonus points are not multiplied by the power multiplier (this is a clarification of the rules published in 2023.) **There is no limit to the number of contacts a single GOTA operator can make.**

GOTA Bonus Points

- 7.3.13.2. If a GOTA station is supervised by a GOTA Coach, a single 100-point bonus will be earned.
- 7.3.13.2.1. The GOTA Coach supervises the operator of the station, doing such things as answering questions and talking them through contacts, but may not make contacts or perform logging functions.
- 7.3.13.2.2. To qualify for this bonus, there must be a designated GOTA Coach present and supervising for at least 10 contacts.

We Need GOTA Coaches!

Please volunteer.



Educational Activity

- Must be a structured activity to broaden the knowledge base of participants.
- Suggestions:
 - Knot tying lesson
 - Build an antenna
 - Solder a connector
- Any Volunteers? *Mia will demonstrate 10 GHz homebrew transceivers*

Alternate Power

- 100 bonus points for Field Day groups making a minimum of five QSOs without using power from commercial mains or petroleum driven generator.
- This means an "alternate" energy source of power, such as solar, wind, methane or water. This includes batteries charged by natural means (not dry cells).
- Al VO1NO will charge a 12V battery using a solar panel.
- Sunday morning we will transfer power for HF CW to the battery, and make at least 5 QSOs.
- Must note this in the log!



Field Day Youth Participation

- 7.3.15.1. A 20-point bonus (up to a maximum of 100 points) may be earned by any Class A, C, D, E, or F group for each participant age 18 or younger at your Field Day operation that completes at least one QSO.



Social Media

- 100 bonus points for promoting Field Day on the clubs' social media platforms.
- Announcements will be posted on AVARC and KCARC Facebook pages leading up to FD.
- During Field Day please post plenty of photos on the AVARC and KCARC Facebook pages!
- Anyone on Instagram or Twitter (I refuse to call it “X”!)

Field Day Bulletin

- W1AW will transmit a FD Bulletin that must be copied and included with our submission.
- Schedule on ARRL website.
- Bob VE1RSM, Wayne VE1BAB and Al VO1NO will copy it Friday evening.

Visitor Bonus Points

- Bonus points for visits from an elected official and a Served Agency.
- VSAR member will count as a Served Agency.
- I will invite REMO Coordinator.
- Who has contacts with nearby elected officials?

Media Publicity

- Must actually receive coverage in a media outlet to earn these bonus points.
- This include the media site's Facebook, Twitter, or Instagram.
- I will send a media release to the various outlets 14 days before Field Day.
- Does anyone have any media contacts?
Wayne will contact Port Williams news

Message Handling

- 100 bonus points for sending 10 messages using ARRL Radiogram format.
- 100 bonus points for sending a message to the RAC Section Manager, Dave VE1HUL.
- Al VO1NO will send messages using Packet at start of Field Day.

Food!

- Meals as follows:
 - Lunch Saturday (BBQ hot dogs and hamburgers)
 - Supper Saturday (Pizza and submarine sandwiches)
 - Breakfast Sunday (free to overnight operators)
 - Lunch Sunday (BBQ hot dogs and hamburgers)
 - Who can provide a BBQ? *Wayne and/or Fred*



Budgetary Concerns

- KCARC will fund gas for one generator, burgers and hotdogs, breakfast Sunday, and any necessary miscellaneous expenses.
- AVARC will provide gas for one generator, and will donate \$200.00
- Keep all receipts!

Motion for Funding

- All VO1NO motions that KCARC approve the expenditure of not more than \$350.00 for Field Day expenses, including gas, food and necessary miscellaneous expenses.
- *APPROVED!*

Publicity

- Media Release will be sent to all newspapers, TV and radio stations
- Media will be invited to visit us as well
- Critical we tell the public what we do!
- Publicity table with handouts and Visitors' logbook – everyone must sign!
- Please post photos etc. on Facebook, Instagram, Twitter before and during FD.

Message we want to send:

- Amateur radio is a fun and absorbing hobby and public service.
- Amateur Radio has a long history of assisting in emergencies.
- Although still used, Morse Code is no longer required, and Amateur Radio uses cutting edge technology.
- AVARC and KCARC are dynamic clubs that offer a Basic Amateur Radio Course and instruction in emergency communications.

Clothing Etc.

- Insect repellent, sunblock, and cap.
- Be prepared for weather extremes – no matter how hot it is during the day, it **WILL** be colder at night!
- Campers will need a warm sleeping bag!
- Bring your own folding chair.

Safety

- Safety is Paramount!
- Recommended safety equipment:
 - Work gloves
 - Hard hats
 - Sturdy boots
 - Sunhat and sunblock
 - Insect repellent
 - Water bottle



Lightning

- Lightning kills 7-10 Canadians annually
- Not likely that we will have an electrical storm, but you never know!
- We will follow “30-30” rule
- Safe area is inside metal vehicle
- What to do if about to be struck...
- What to do if someone is struck...

Fire Safety

- No smoking in tents or near generators
- Stop generators before refueling
- Fire extinguishers near generators, cooking location and operating positions

Electrical Safety

- Proper extension cords
- Waterproof all connections
- Kill power before troubleshooting
- Use proper grounds
- RF safety
- Don't stick tongue in light socket while standing in puddle during an electrical storm

Tower Safety

- Proper equipment a must
- Don't poke an eye out on an antenna!
- Use caution putting up towers
- Ensure guys are securely anchored
- Use marking tape to indicate guys
- NO Vehicles allowed near towers
- If necessary, let tower fall – but you get out of the way!

Covid/Flu Precautions

- Mask use encouraged when around others.
- Try to maintain 2M social distance.
- Hand sanitizer and wipes will be available.
- Bring your own headphones/headset if possible.
- Wipe microphones and keyboards between users.
- If you have symptoms, please work us from home.

Tick Safety

- Wear long pants and long sleeves in areas likely to have ticks
- Wear light coloured clothing – its easier to see ticks
- Wear enclosed shoes and tuck your pants into your socks
- Walk on well-travelled paths, avoiding long grass and vegetation
- Apply insect repellents containing DEET or Icaridin to exposed skin and clothes.



Network and Logging

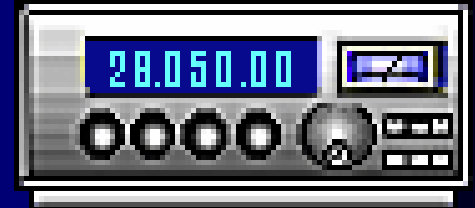
- WiFi router located in CW Station (central).
- Powered by commercial power to avoid outages when refueling generators.
- Main stations will use N1MM for logging.
- Bob VE1RSM will ensure N1MM is updated.
- GOTA Station will use N3FJP Field Day Logger and will NOT be part of the network.
- Network test session at Al's home (VO1NO) week before Field Day.



Volunteers Required!

- Setup Friday and Saturday
- Operating 1500 Saturday to 1500 Sunday
- Teardown 1500 Sunday
- Tour guides / Ambassadors all weekend
- Cooking and cleanup
- Photographers

Operating Notes



- Keep an eye on 15M and 10M
- Listen to bands before Field Day
- Read rules carefully
- Practice using logging program beforehand
- Ensure computer date & time correct!!

Field Day Exchange

VA1AVR

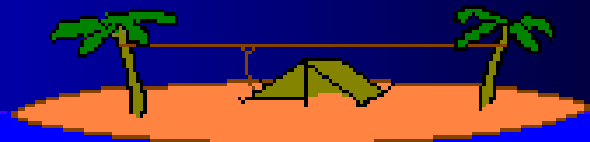
- CQ Field Day, CQ Field Day, Victor Alpha One Alpha Victor Romeo, QRZ?
- AF0S, You are Three Alpha Nova Scotia, QSL?
- Thanks, Victor Alpha One Alpha Victor Romeo QRZ?

AF0S

- VA1AVR this is Alpha Foxtrot Zero Sierra
- Roger, you are One Echo Colorado, Over.

Final Remarks

- Field Day is supposed to be fun!!
- Don't be afraid to get involved!
- Something for everyone to do



















Radio
Amateurs
of Canada
RAC

















Questions?