



2022 Field Day Overview

BARC General Membership Meeting

Ray Hitt, N8VMX – Field Day Coordinator
Bellbrook Amateur Radio Club
June 16, 2022



Field Day Description

- Most popular annual on-the-air amateur radio event
- Held the 4th weekend in June every year (this year 25-26 June)
- Involves the entire US and Canada (although others can call in)
- Informal “contest” to gather and practice operating under abnormal situations and less than optimal conditions
- Objectives are to contact as many other stations as possible, and to have fun
- BARC will operate from Sackett Wright Park, near Shelter #1
- Arguably the best part...DOT'S BROASTED CHICKEN and potluck picnic Saturday afternoon





Field Day Rules

- Objective: contact as many stations as possible on all bands except for 60/30/17 and 12 meter bands (for us this means 80/40/20/15/10 meter bands)
- Stations are identified by Class and Section
 - We are "4A OH" (4 stations, portable operation, Ohio section)
 - We use the BARC club call sign W8DGN
 - W8DGN will be operating "Extra Class" for all operators if at least one Extra Class operator is on site – this is a great opportunity for Technicians to try out the full HF amateur bands!!!
- Each station can be contacted only once per band and mode (voice/cw/data) for points (no duplicates). You can't contact yourself (silly)



Field Day Rules

- Voice contacts are one point each, while CW or data contacts are two points each. Laptops are used to log all contacts.
- Your points are doubled when all stations are at 150 watts or less
- Bonus points are earned for: Media publicity, public location, public information table, originating a message to Section Manager, handling messages, making at least 5 contacts from alternate power (i.e. solar), copying the ARRL field day bulletin, performing an educational activity, being visited by an invited government official, law enforcement, etc.



Field Day Tech Details in a Nutshell...

- Field Day site will be W8DGN 4A OH
- Education tent will be set up adjacent to shelter to reduce traffic and noise near operating stations – 10' x 10' BARC logo canopy
- Two 12' x 20' canopies used to cover picnic benches for discussions and meals
- HF Antenna system will use fiberglass mast (40/80m crossed inverted V's)
- 80m dipole, 40m dipole, 10/15/20m rotatable element, R-9 multiband vertical
- 4 IC-7300s HF transceivers from BARC will be used, all CW/digital/voice capable
- N8VMX solar/battery setup to be integrated into one station



Station Setup at Shelter #1





Antenna System



HF

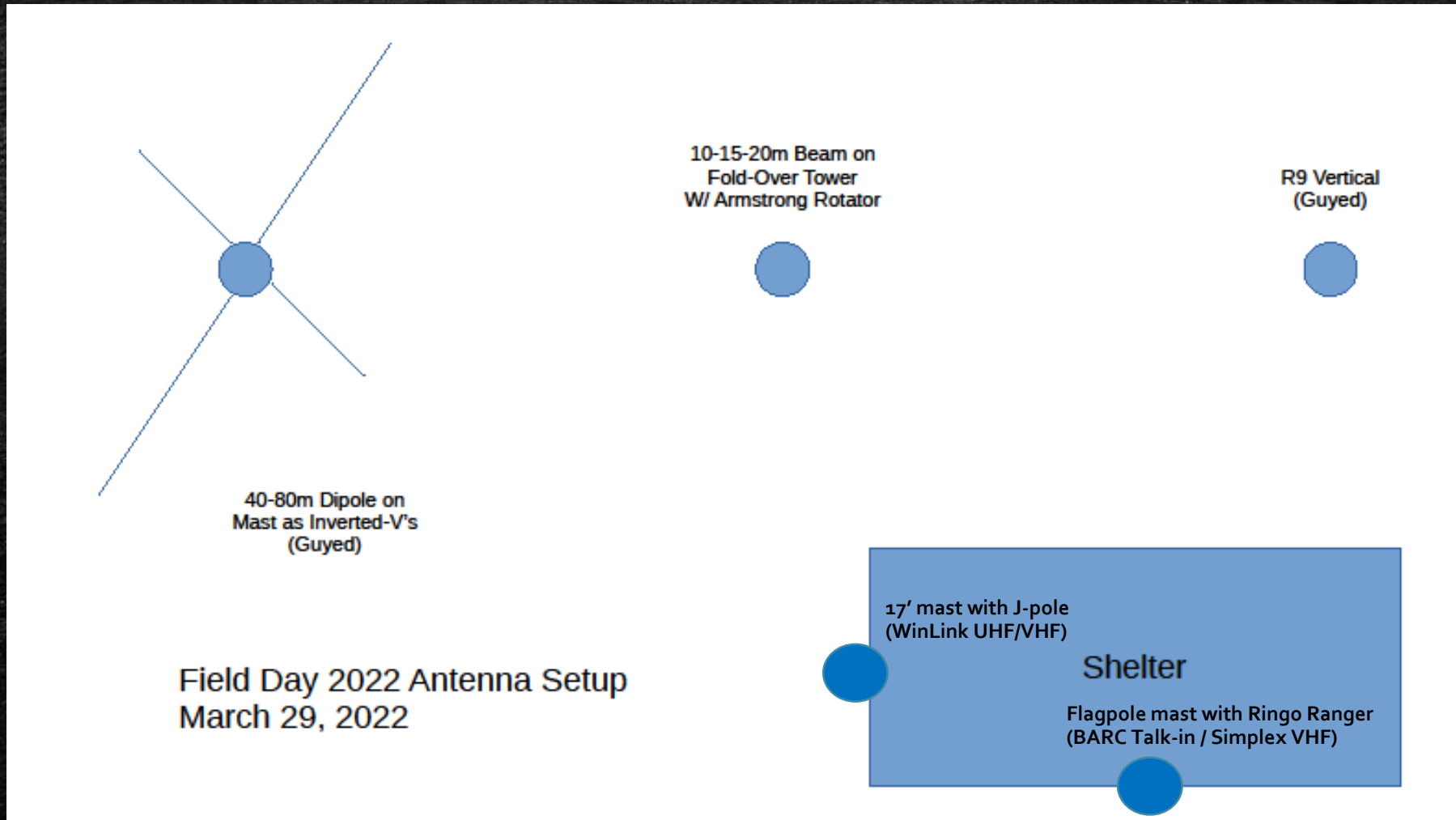
- 80m dipole
- 40m dipole
- 20m/15m/10m rotatable dipole
- R-9 Vertical
- 2 towers
 - 30' sectional fiberglass tower
 - 32' tilt-base aluminum tower

VHF / UHF

- Two 2m/70cm verticals
 - BARC Repeater Talk-in
 - Antenna Crew Simplex
 - WINLINK



Antennas





Plans for 2018 Field Day - Saturday

- 0800 Antenna/Power Crews Arrive at Sackett Wright
- 0800 Setup Crews Arrive at Clubhouse
- 0915 Setup Crew Arrive at Sackett Wright
- 0930 Breakfast (Thanks Russ!)
- 1000-1200 Setup
- 1200-1230 Lunch (thanks Tink and Steve)
- 1230-1400 Final setup / checks
- 1400-1730 Operate
- ~1600 Educational Presentations
- 1730-1830 Potluck Picnic
- 1830-midnight Operate (into Sunday morning)



Plans for 2018 Field Day - Sunday

- 0000-0700 Evening shift operate
- 0700-1400 Operate (snack as required)
- 1400-1530 Tear Down
- 1530-1600 Transport items from Sackett Wright to Clubhouse
- 1600 DONE!



Educational Presentations

Theme: Antenna Construction



- Jim Dean (W8UD) will set up an “antenna lab”
- Notionally, construct an antenna (for example a 10m dipole)
- Adjust the element lengths
- Measure performance with antenna analyzer or NanoVNA



In Case of Bad Weather...

- Monitor BARC repeater prior to setup (147.045+) Saturday morning of Field Day
- My cell phone: (937) 974-6781
- Alternate site would be the BARC Clubhouse
- Any changes will be announced on BARC repeater Saturday morning around 0800 after assessment of ground conditions and weather forecasts
- E-mail will be sent to BARC distribution list around 0900 Saturday morning if venue changes



Extra Points Credit for BARC Members

- You can help out, EVEN if you're not taking part in Field Day
- Copy the ARRL Bulletin and send it to me!
- Message is sent in CW, Digital, and Voice modes from Friday 9pm EST through Sunday 1230 pm EST
- Schedule and frequencies are posted at http://www.arrl.com/files/file/Field-Day/2022/4_37-2022%20W1AW%20Sked%20-%20Rev%20Mar%202022.pdf
- Or Google "2022 W1AW Field Day Bulletin Schedule"



Survey Results

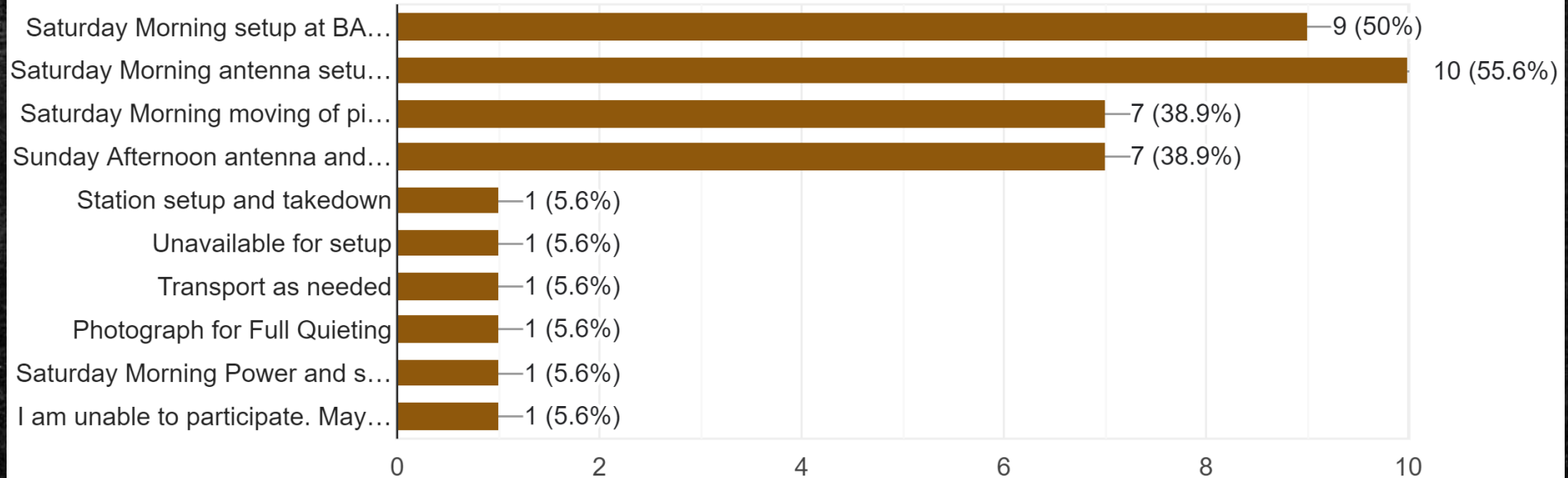
BARC Member Survey - 2022 Field Day



Question 1

In which areas will you be available to participate?

18 responses

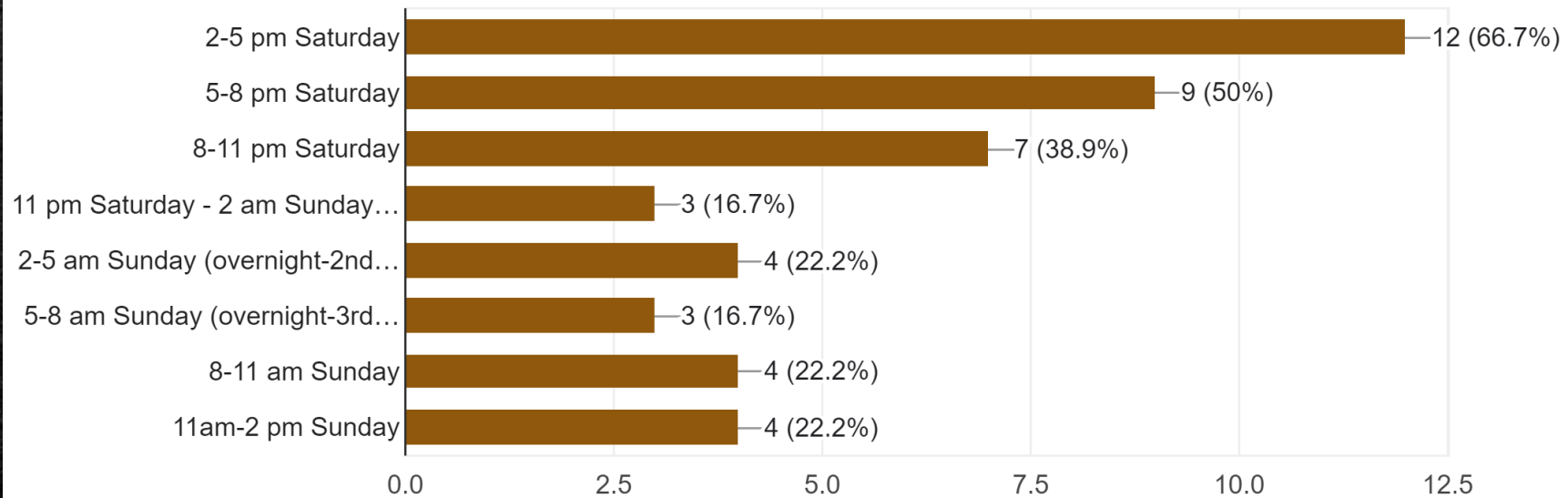




Question 2

Which times will you be available to operate the W8DGN stations? Check all that apply (note if you change your mind about the overnight selections, please let N8VMX know)

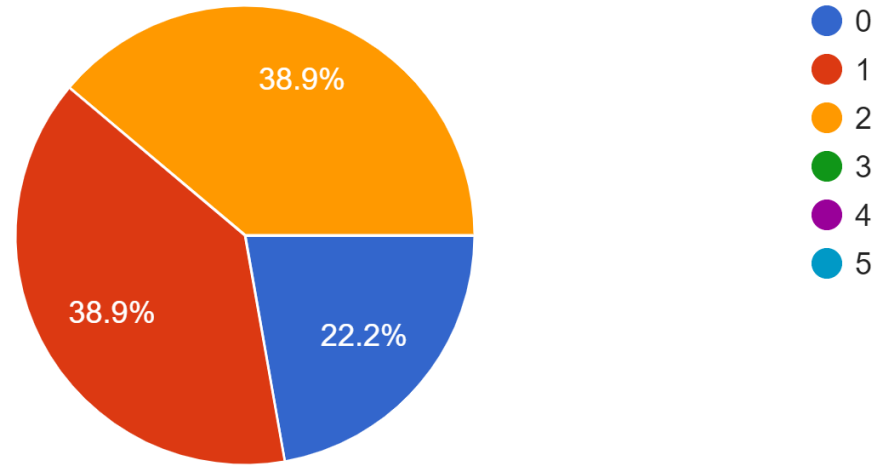
18 responses





Question 3

How many are you bringing (including yourself) to the BARC Potluck Social Saturday late afternoon? (note if you're coming, please bring a side dish and some comfortable chairs in case the picnic tables are full) This lets Tink know how much tasty Dot's chicken to get.



Total Tally: 21 attendees



See You There!

