

Bellbrook Amateur Radio Club



2019 Field Day Event



Intro and Planning

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Field Day Coordinator

Topics

- Field Day Description
- Rules
- Station and Antenna Layout
- Plans for Field Day weekend





Field Day Description

- Most popular annual on-the-air amateur radio event
- Held the 4th weekend in June every year (this year 22-23 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
- BARC will be operating 4 HF radio stations (SSB voice/CW/Data modes) from 4 antennas and 4 towers
- BARC will also have a dedicated 6m station with directional antenna, an educational demonstration area, a 2m talk-in and 2m/70cm Winlink station.
- Arguably the best part...**DOT'S BROASTED CHICKEN** and potluck picnic Saturday evening

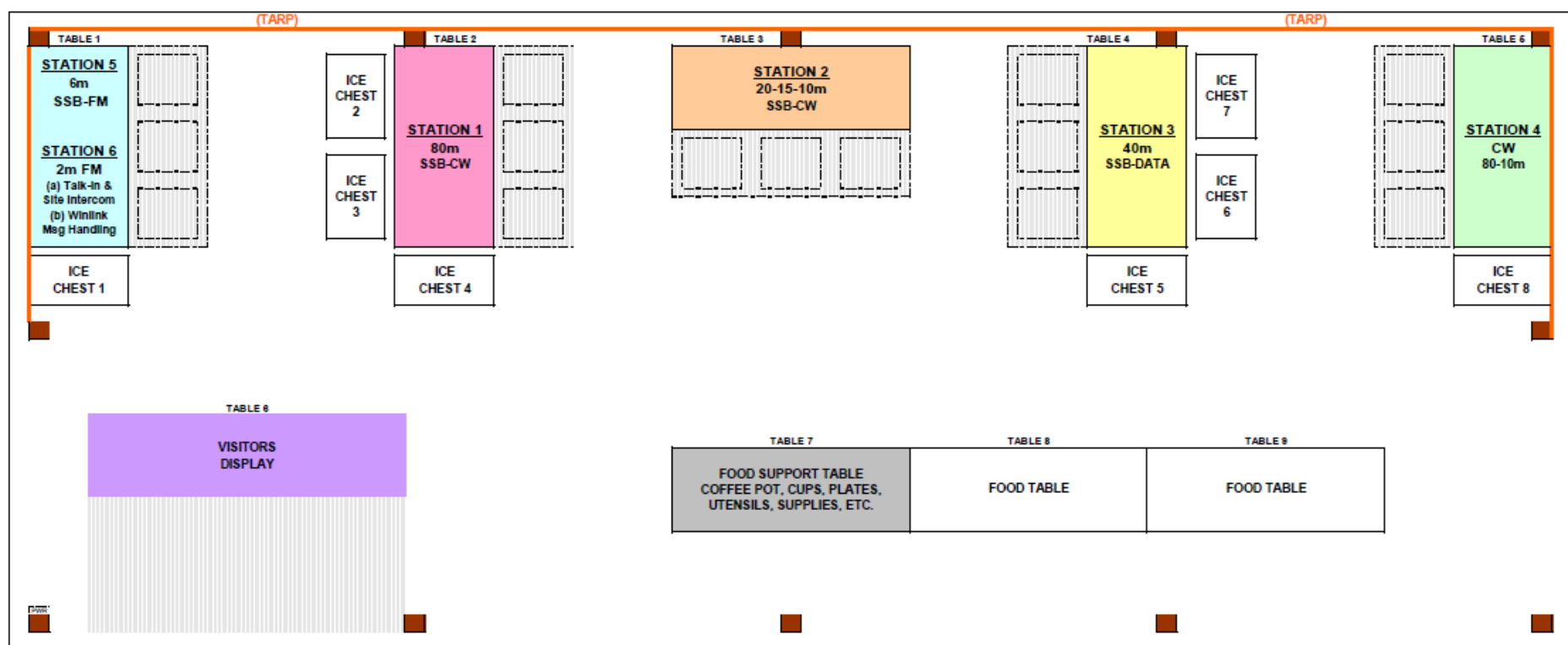


Field Day Rules

- Objective: contact as many stations as possible on all bands except for 60/30/17 and 12 meter bands (for us this means 80/40/20/15/10/6 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.
- Each station can be contacted only once per band and mode (voice/cw/data) for points (no duplicates). You can’t contact yourself (silly)
- 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.



Shelter Layout



BARC FIELD DAY 2019
Sackett-Wright Park -- Shelter 1
Floor Plan "C"

Rev. 1 (06/10/2019)



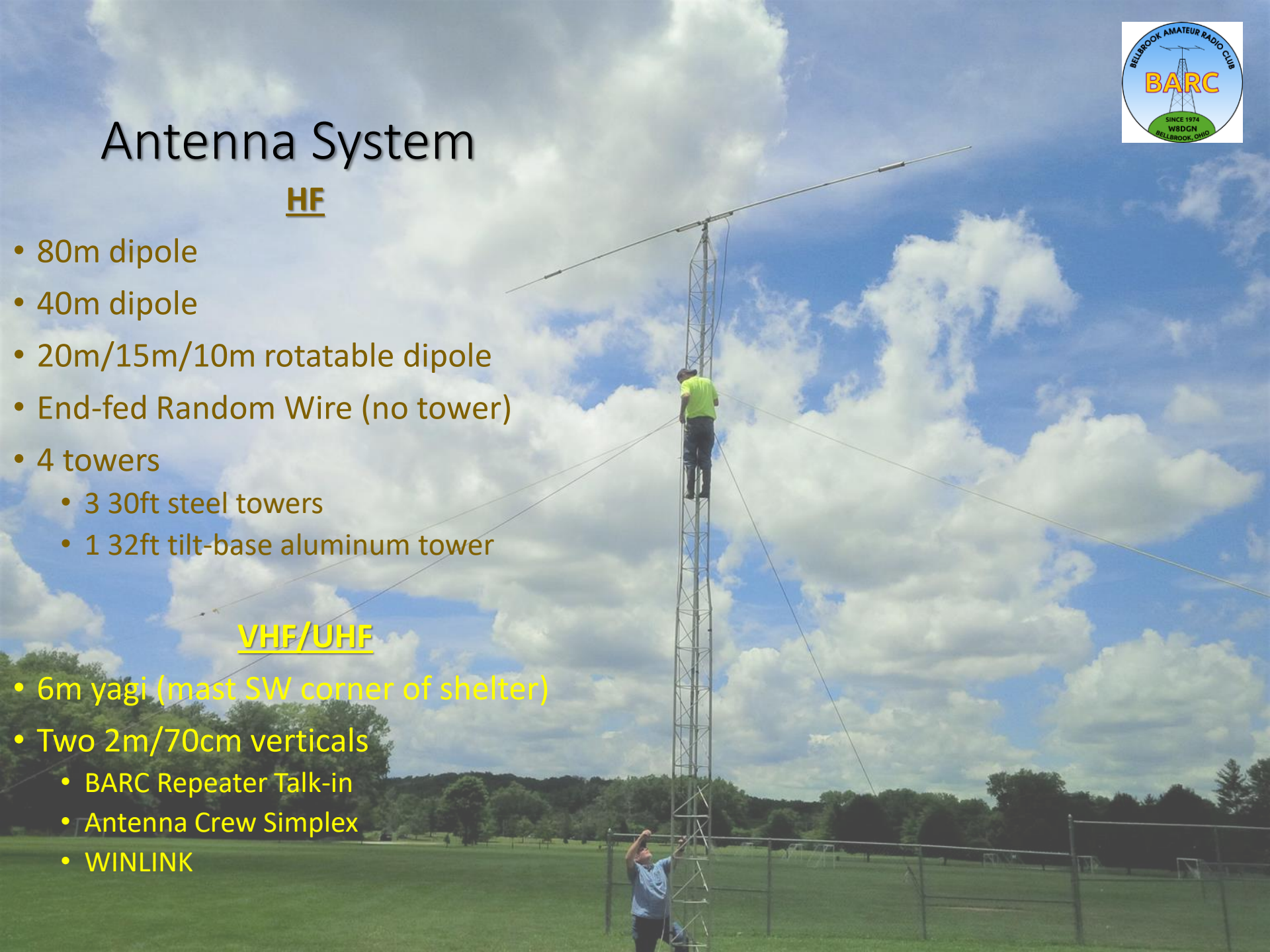
Antenna System

HF

- 80m dipole
- 40m dipole
- 20m/15m/10m rotatable dipole
- End-fed Random Wire (no tower)
- 4 towers
 - 3 30ft steel towers
 - 1 32ft tilt-base aluminum tower

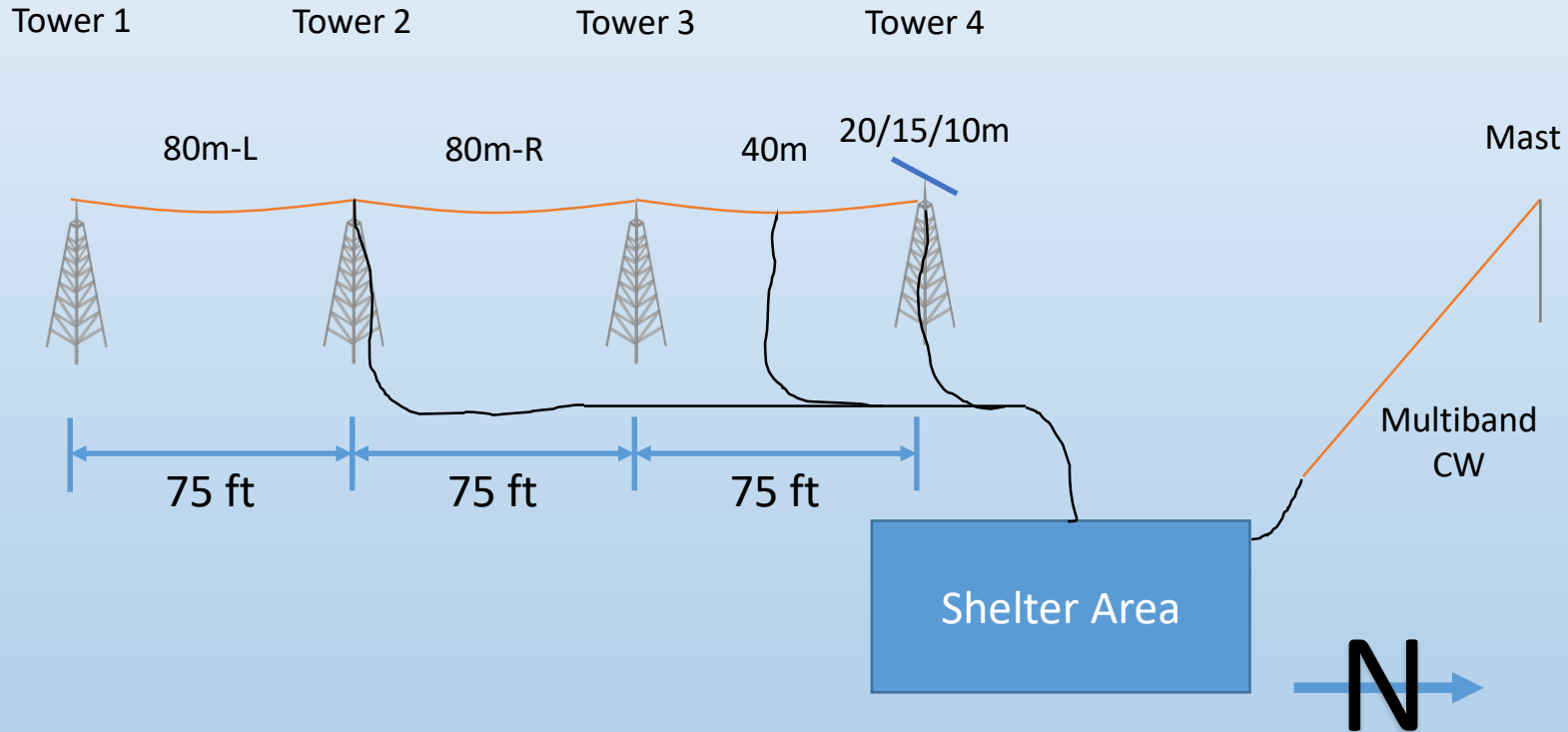
VHF/UHF

- 6m yagi (mast SW corner of shelter)
- Two 2m/70cm verticals
 - BARC Repeater Talk-in
 - Antenna Crew Simplex
 - WINLINK





Antenna Tower Layout





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: Software Defined Radios

- John Westerkamp will present
 - VHF/UHF Scanner App – listen to analog and digital repeaters
 - ADS-B app with Aircraft Track Display similar to RADAR
 - APRS decoder/plotter
 - P-25 police/fire Trunking system decoder – Greene Co MARCS
 - Slow-Scan TV decoder from ISS (if available)
- Ray Hitt will present
 - Remote internet access to Airspy/Spyverter SDR at home QTH
 - HF bands showing Field Day activity
 - Voice, FT-8, PSK-31 decode

Additional Topics

- Contingency Plans for bad weather
- Monitor BARC repeater prior to setup (147.045+)
- My cell phone: (937) 974-6781
- Sufficient number of volunteers for SETUP, overnight operating, TEARDOWN – please help the old-timers out!!!
- I sent this survey link <https://doodle.com/poll/hnemzb6pets2eyuh>
 - For everyone who's coming, please select what times you think you'll be on site (not a formal commitment, just for planning)
- Take pictures and share them!
- Sun screen & bug repellent
- Remember... Ham Radio is Fun!

Contingency Plans

- Current forecasts are for thundershowers and rain
- Sackett Wright is saturated, potential for flooding before Saturday morning
- Monitor BARC repeater prior to setup (147.045+) Saturday morning
- My cell phone: (937) 974-6781
- Alternate sites under consideration
 - BARC Clubhouse
 - Bellbrook Middle School (not feasible this year, potential for other years)
- Details 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



Questions?

Bellbrook
Amateur
Radio
Club

**Visitors
Welcome**

Field Day