

# Sterling Park Amateur Radio Club (SPARC)

## 2024 Field Day

**DRAFT V8 21 June 2024**

1. SPARC will operate a Class 3A amateur radio station on Field Day from Loudoun County Sheriff Station in Sterling. (3 transmitters (1 x CW, 1 x Phone and 1 x digital plus GOTA and satellite).

2. The station schedule is:

| Day      | Date         | Time (Local)       | Activity                                 |
|----------|--------------|--------------------|------------------------------------------|
|          |              |                    | No Friday antenna rope hanging           |
| Saturday | 22 Jun 22    | 7:30 AM            | Antenna set-up                           |
| Saturday | 22 June 2024 | 10:00              | Station set-up (All except for antennas) |
|          |              | 1:45 PM            | Group picture                            |
| Saturday | 22 Jun 22    | 2:00 PM (1800 UTC) | Radio operations begin                   |
| Saturday | 22 Jun 22    | 5:00 PM            | Education session                        |
| Saturday | 22 Jun 22    | 6:00 PM            | Party with food and drink                |
| Sunday   | 23 June 22   | 8:00 AM            | Breakfast                                |
| Sunday   | 23 Jun 22    | 2:00 PM (1800 UTC) | Radio operations end                     |
| Sunday   | 23 Jun 22    | 2:00 PM            | Station take-down starts                 |

3. Other Equipment

- a. Ropes for hauling Antennas: Gordon, NQ4K;
- b. Folding Chairs: Probably not needed. Use chairs from community room.
- c. Transmission Line: Gordon, NQ4K; Bud, W4KSN
- d. Logging software: N1MM on Networked and Stand-alone computers. - Coordinator: Eric, AJ4LN.  
 Networked computers linked by wire. Networking equipment and cables provided by Eric, AJ4LN.  
 Limited networked system testing at Eric's, AJ4LN, QTH is not needed.
- e. Spare networked computer for logging support and Backup: Eric, AJ4LN
- f. Youth operator sign-in sheets: Gordon, NQ4K.
- g. HF filters for transmission lines (80M 40M, 20M 15M 10M): Gordon, NQ4K
- h. Antenna masts (about 20ft high): Larry, W8ANT, 2 ea (via Gordon, NQ4K). Bud, W4KSN, 1 ea.
- i. Antennas
  - 80-40M Fan Dipole: Larry, W8ANT (Larry gave to Gordon to bring to FD)
  - 40-6M Carolina Windom Bud, W4KSN
  - Vertical: Eric, AJ4LN
  - Buddi-pole: Daniel, W5DJV

Sparc:40-6M Off-center fed end fed wire 40 ft long: Conrad, N4ZQA

4. QRM Shelter

- A place for all to sit and talk when not operating the radios.
- Under overhang at community room door
- Tables from inside the community room.

5. Club Party

- Drinks: Everyone donates some drinks (in cooler or not) and puts them QRM shelter.  
Coffee: Evan, KM4SK
- Food: **TBD** Paid for by SPARC Club Treasury
- 1800: Dinner: All sit around, eat, drink, and talk. Station operators remain on radios.
- 0800: Breakfast: No Breakfast.

Table 1. Station Equipment

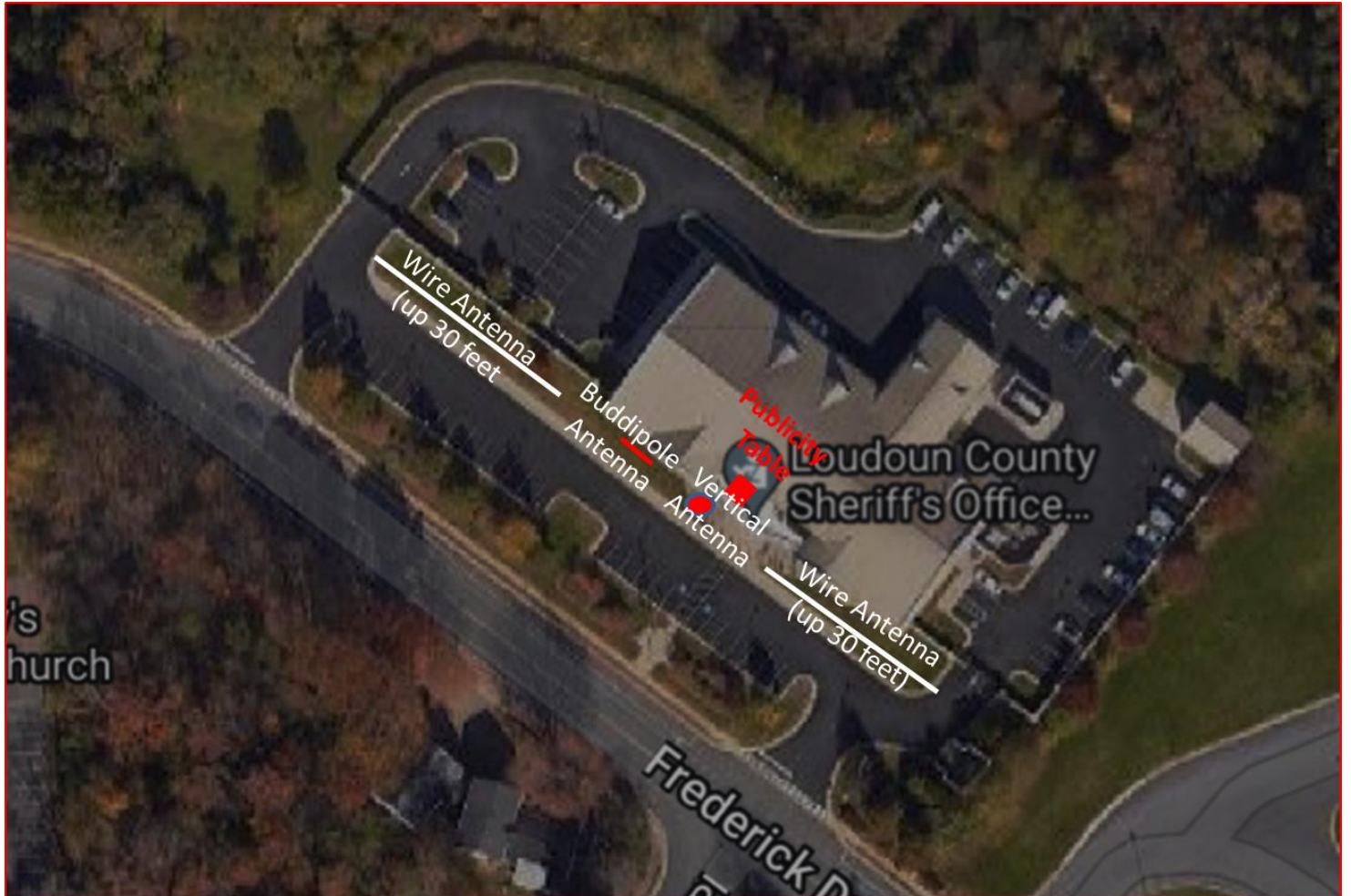
| Equipment         | HF CW/SSB<br>(Station #1)           | HF SSB<br>(Station #2)              | HF Digital<br>(Station #3)     | GOTA                                     |
|-------------------|-------------------------------------|-------------------------------------|--------------------------------|------------------------------------------|
| Call Sign         | K4NVA                               | K4NVA                               | K4NVA                          | NQ4K                                     |
| Table             | Community room                      | Community room                      | Community room                 | Community room                           |
| Radio             | TS-590<br>Eric, AJ4LN               | TS-570DG<br>Eric, AJ4LN             | Daniel, W5DJV,                 | IC730<br>Gordon, NQ4K                    |
| Antenna Tuner     | Eric, AJ4LN                         | Eric, AJ4LN                         | Daniel, W5DJV                  | Gordon, NQ4K                             |
| Transmission Line | Gordon, NQ4K                        | Bud, W4KSN                          | Daniel, W5DJV                  | Gordon, NQ4K                             |
| Antenna           | Larry, W8ANT                        | Conrad, N4ZQA                       | Daniel, W5DJV                  | Vertical, (10-40M)<br>Eric, AJ4LN        |
| Logging           | Networked computer<br>(Eric, AJ4LN) | Networked computer<br>(Eric, AJ4LN) | Networked computer<br>(Daniel) | Non-networked computer<br>(Gordon, NQ4K) |
| Power Strip       | Conrad, N4ZQA                       | Conrad, N4ZQA                       | Evan, KM4SK                    | Gordon, NQ4K                             |

## 6. Bonus Points

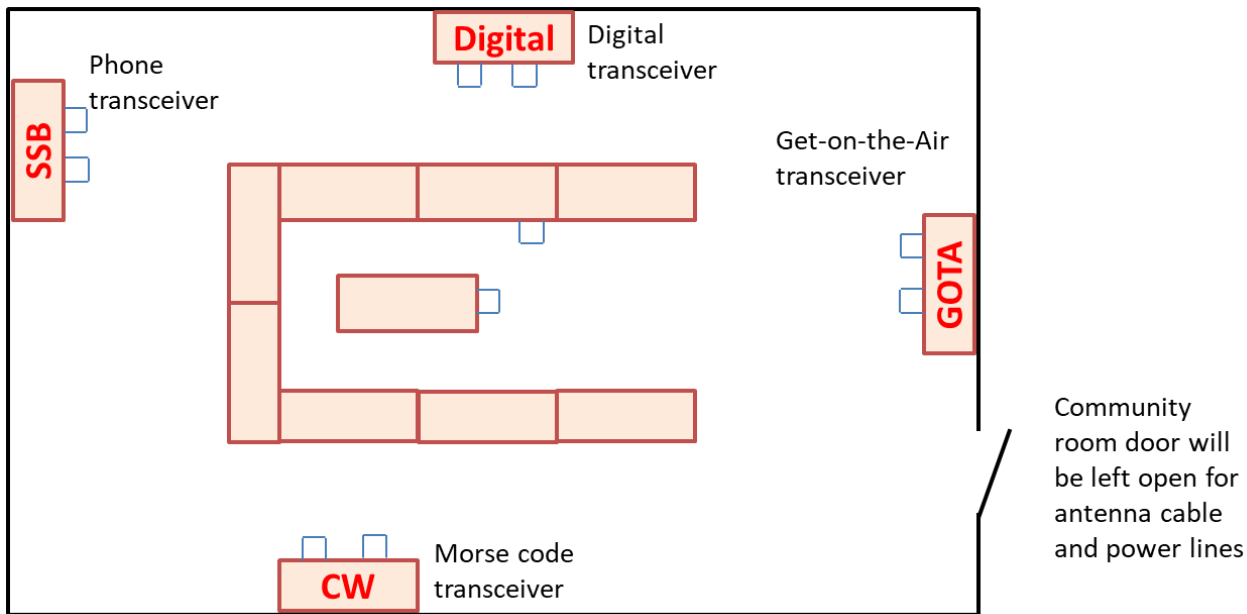
| Bonus Point Category                             | Points                                                                              | Comment                                  | POC                                                      |
|--------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------|
| 100% Emergency Power                             | 3 x 100 = 300                                                                       | Club generator and distribution line     | No needed this year.                                     |
| Media Publicity:                                 | 100                                                                                 |                                          | Evan, KM4SK                                              |
| Public Location                                  | 100                                                                                 | Sheriff Substation                       | Paul, KK4AIA                                             |
| Public Information Table                         | 100                                                                                 | Table with SPARC Banner, pamphlets, etc. | Gordon, NQ4K                                             |
| Message Origination to Section Manager           | 100                                                                                 | Formal message                           | Prepared by:<br>Gordon, NQ4K<br>Sent by:<br>Paul, KK4AIA |
| Message Handling                                 | 10 msg x 10 pts = 100                                                               | Send 10 messages                         | Prepared by:<br>Gordon, NQ4K<br>Sent by:<br>Paul, KK4AIA |
| Satellite QSO                                    | 100 pts                                                                             |                                          | Daniel, W5DJV,<br>(w/antenna from Eric, AJ4LN)           |
| Alternate Power                                  | 100 pts                                                                             | Minimum of 5 QSOs on alternate power.    | <b>TBD</b>                                               |
| W1AW Bulletin                                    | 100 pts                                                                             | Copy field day bulletin                  | <b>TBD</b>                                               |
| Educational Activity Bonus                       | 100 pts                                                                             | TBD                                      | <b>TBD</b>                                               |
| Site Visitation by elected Government Official   | 100 pts                                                                             |                                          | Evan, KM4SK                                              |
| Site Visitation by a Representative of an Agency | 100 pts                                                                             |                                          | Paul, KK4AIA                                             |
| GOTA Bonus                                       | > GOTA QSOs count 5 pts<br>> No limit on no. of QSOs<br>> GOTA Coach counts 100 pts |                                          | Coach: Gordon, NQ4K                                      |
| Web submission                                   | 50 pts                                                                              |                                          | Gordon, NQ4K                                             |
| Youth Participation                              | 20 pts x 5 per youth (18 or less) = 100 pts max                                     | Make at least 1 QSO                      | <b>TBD</b>                                               |
| Social Media                                     | 100 pts                                                                             | Promote via social media                 | Evan, KM4SK                                              |
| Safety Officer                                   | Safety officer completes Safety Check List = 100 pts                                |                                          | Paul, KK4AIA                                             |

7. Field Day Layout: See following diagrams.

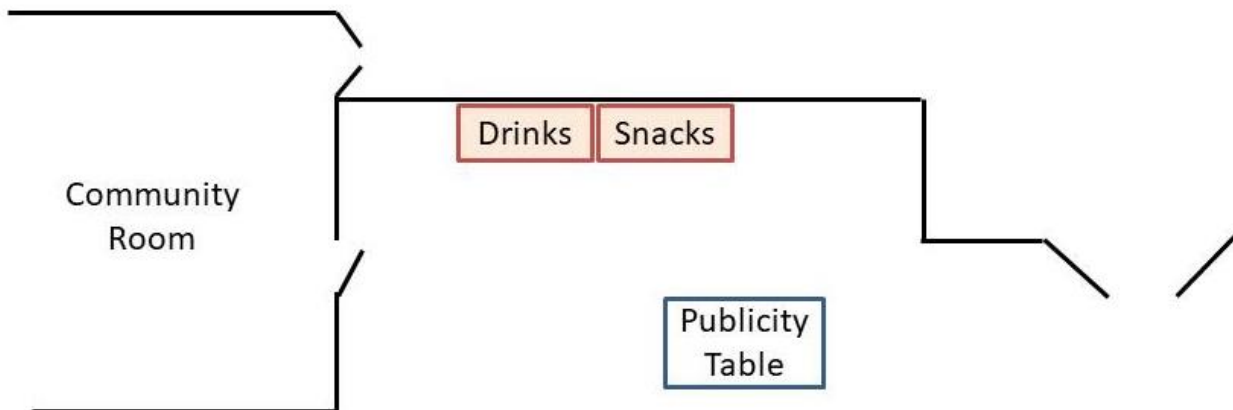
Outside layout



Inside community room layout



Outside community room on patio layout



## 9. Operator Schedule

- This is a best estimate in an attempt to keep someone on the radios at all times.
- Operators and times will change based upon who is ready and willing to operate at any given time.
- If you feel like operating for a while, please either take over an unoccupied radio or ask the current operator if they would like to take a break.
- All times are subject to friendly negotiation.

| Date/Time       | #1 HF CW/SSB Station | #2 HF SSB Station | #3 Digital Station | GOTA Station  | GOTA Coach   |
|-----------------|----------------------|-------------------|--------------------|---------------|--------------|
| <b>Saturday</b> |                      |                   |                    |               |              |
| 1400 - 1500     | Bud, W4KSN           | Conrad, N4ZQA     | Daniel, W5DJV      |               | Gordon, NQ4K |
| 1500 - 1600     | Bud, W4KSN           | Conrad, N4ZQA     | Daniel, W5DJV      |               | Gordon, NQ4K |
| 1600 - 1700     | Bud, W4KSN           | Conrad, N4ZQA     | Daniel, W5DJV      |               | Gordon, NQ4K |
| 1700 - 1800     | Bud, W4KSN           | Evan, KM4SK       | Daniel, W5DJV      | Chris, KQ4SLQ |              |
| 1800 - 1900     |                      | Evan, KM4SK       |                    | Chris, KQ4SLQ |              |
| 1900 - 2000     |                      | Evan, KM4SK       |                    | Chris, KQ4SLQ |              |
| 2000 - 2100     |                      | Paul, KK4AIA      |                    | Chris, KQ4SLQ |              |
| 2100 - 2200     |                      | Paul, KK4AIA      |                    |               |              |
| 2200 - 2300     |                      | Jeff, KD4IWD      |                    |               |              |
| 2300 - 2400     |                      | Jeff, KD4IWD      |                    |               |              |
| <b>Sunday</b>   |                      |                   |                    |               |              |
| 2400 - 0100     |                      | Jeff, KD4IWD      |                    |               |              |
| 0100 - 0200     |                      | Jeff, KD4IWD      |                    |               |              |
| 0200 - 0300     |                      | Jeff, KD4IWD      |                    |               |              |
| 0300 - 0400     |                      | Paul, KK4AIA      |                    |               |              |
| 0400 - 0500     |                      | Paul, KK4AIA      |                    |               |              |
| 0500 - 0600     |                      | Paul, KK4AIA      |                    |               |              |
| 0600 - 0700     |                      | Paul, KK4AIA      |                    |               |              |
| 0700 - 0800     |                      |                   |                    |               |              |
| 0800 - 0900     |                      |                   |                    |               |              |
| 0900 - 1000     |                      |                   |                    |               |              |
| 1000 - 1100     | Bud, W4KSN           |                   |                    |               |              |
| 1100 - 1200     | Bud, W4KSN           |                   |                    |               |              |
| 1200 - 1300     | Bud, W4KSN           |                   |                    |               |              |
| 1300 - 1400     | Bud, W4KSN           |                   |                    |               |              |