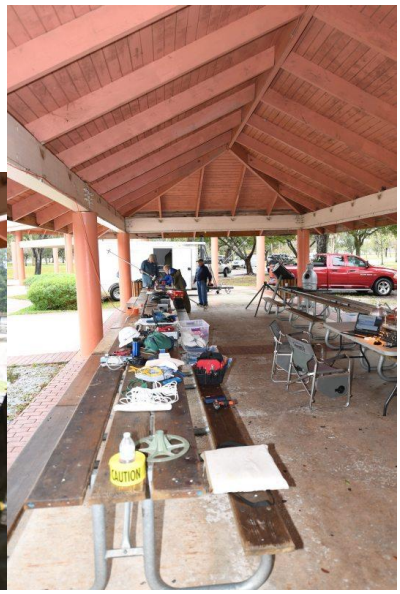
DCARC Winter Field Day 2019

Location:

Thanks to Robin N4HHP we had pavilion 5 at Markham Park for the weekend free of charge. Thanks Robin!



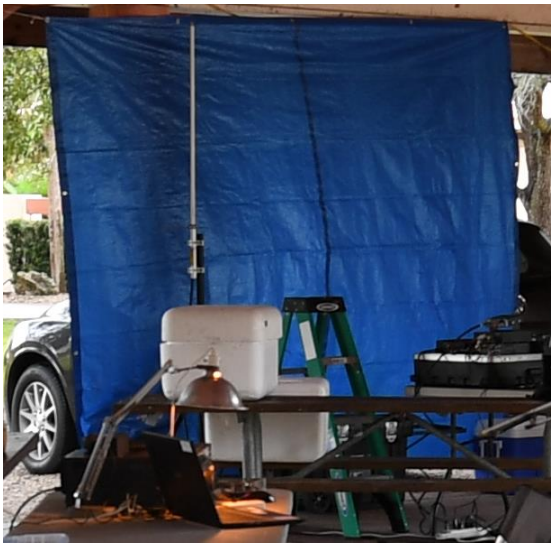
Setup:

Setup started Saturday around 8AM with rain and the temperature in the 50's. Eventually the rain let up and we got three antennas in the air and three stations plus N4MEO's auxiliary station on the air. Still, it was a cold day which continued overnight.

Along with routing power and coax so no one would trip we placed the radios, triplexer and band filters. Most of the time and manpower was spent getting the antennas safety in the air. This is where we always need the most help. Thanks to all those who came out we got it done.

We were not ready the opening bell but we were on the air just 30 minutes late.

We had to hang up some tarps to keep the wind and rain off of the operators and the equipment.



Attendees:

These are some of the folks to braved the weather to help us setup and tear down. Many thanks to everyone; we could not have done this without you. If I missed your name tell me and I will add it.

John W6BXQ	Jay (Call Pending)	Tommy N1SPY
Neil WB2RUU	Rich WB4EHG	Sue KA2RGK
Jim K4JGC	Tom N4MEO	Mark K2AU
Fred WB4BAG	Sandy K4OXM	Peter AA2VG
Pete N8PR	Bill K4WHL	Dan W4DRK
Buz N1BUZ	Jeannette KM4TMU	Leo KN4EMO
Tylor KM4ZQV	Don W3AZD	

This photo was taken Sunday AM, it does not show everyone who attended.

Antennas:

N8PR lead the team that setup four antennas, three for HF and one for 6m.

HF antenna 1 was the club's tri-band beam on the tower attached to our trailer. Neil used this antenna when operating CW from within the trailer.

HF antenna 2 was a tri-band rotatable dipole mounted on a military push up mast.

HF antenna 3 was a 40m dipole mounted on a pulley attached to the top of the tower, below the tri-band beam.

VHF antenna was a four element 6m beam mounted on a military push up mast.

Stations:

We setup three stations, two for HF and one for 6m. The two HF stations were able to operate on 40m, 20m, 15m, 10m and use either phone or CW. Tom's station was used when one of our three allowed stations was not on the air. Since 6m was dead, that station was only used for listening and hoping for an opening.

HF station 1 used the club's Yaesu FT-1000D and was mostly used by N8PR for CW contacts

HF station 2 used the WB2RUU's IC-7300 and was mostly used by WB2RUU for CW contacts from within the trailer

N4MEO used his station to make phone contacts on 20m when one of the other stations was off the air.

The VHF station used the club's TS-570D.

Operators:

Our stations were manned by experience operators and some who were new to HF.

Tom	**N4MEO**	**Neil**	**WB2RUU**
Jim	**K4JGC**	**Mark**	**K2AU**
Pete	**N8PR**	**John**	**W6BZQ**

Our operators deserve a big round of "Thank you" for keeping their butt's in the chair and searching for stations to work in spite of the cold and rain. And for Neil WB2RUU for staying overnight, sleeping in the trailer and getting up at 3AM to work more CW.

Jim K4JGC & Tom N4MEO

Mark K2AU

Pete N8PR

Neil WB2RUU

John W6BXQ

Operating Results:

Number of stations: 3 (2 HF & 1 VHF)

Number of CW contacts	46
Number of Phone contacts	25
Total number of contacts	71

Six meters never opened up so we did not make any contacts.

This is a partial shot of what our log contained:

```
QSO: 14000 CW 2019-01-26 1929 NA4DC   ClassCat NC1CC    2H   RI    0
QSO: 14000 CW 2019-01-26 1932 NA4DC   ClassCat AB0TX    1O   KS    0
QSO: 14000 CW 2019-01-26 1939 NA4DC   ClassCat KG0RD    1H   NE    0
QSO: 14000 CW 2019-01-26 1942 NA4DC   ClassCat N9EP     1H   IL    0
QSO: 14000 CW 2019-01-26 1943 NA4DC   ClassCat K9WM     2H   IL    0
QSO: 21000 CW 2019-01-26 1948 NA4DC   ClassCat W6ZE     6O   ORG   0
QSO: 14200 PH 2019-01-26 2040 NA4DC   ClassCat KE0KKD   1H   IA    0
QSO: 14200 PH 2019-01-26 2121 NA4DC   ClassCat K8TKA    3I   OH    0
QSO: 14200 PH 2019-01-26 2132 NA4DC   ClassCat N5JE     1H   AR    0
QSO: 14200 PH 2019-01-26 2138 NA4DC   ClassCat WI9WIS   1H   WI    0
```

Score:

```
Bonus points:
   Being outdoors                      = 1,500
   Not operating from a home station = 1,500
   ------------------------------------------
   Bonus Total = 3,000
```

```
Operating points:

   Using 100W or less = X2 the contact points
   Phone contact = 1 point
   CW contact    = 2 points
   The count of the number of modes per band, for us: 4

   (30 * 2) + (15 * 2) + (25 * 1) + (1 * 2) = 117
      60    +    30    +    2     +    2    = 117
   117 * 4 (4 modes per band)                = 468
   468 * 2 (<= 100W)                         = 936
```

Band	Mode	QSOs	Pts	MLT	O	Pt/Q
7	CW	30	60	1	21	2.0
14	CW	15	30	1	13	2.0
14	USB	25	25	1	18	1.0
21	CW	1	2	1	1	2.0
Total	Both	71	117	4	53	1.6

Score: 936

Above is the summary of contacts from n1mm+, the logging program.

Below is a partial shot of what our submitted log looks like:

```
CALLSIGN: NA4DC
LOCATION: FL
ARRL-SECTION: SFL
CATEGORY: 3O
CATEGORY-OPERATOR: MULTI-OP
CATEGORY-STATION: FIXED
CATEGORY-TRANSMITTER: THREE
CATEGORY-POWER: LOW
CATEGORY-ASSISTED: NON-ASSISTED
CATEGORY-BAND: ALL
CATEGORY-MODE: MIXED
SOAPBOX: 1,500 points for setting up outdoors
SOAPBOX: 1,500 points for setting up away from home
SOAPBOX: BONUS Total 3000
CLAIMED-SCORE: 3936
OPERATORS: N8PR, WB2RUU, N4MEO, K4JGC
```

Total score: 3,936

Teardown:

The weather for teardown was much better than when setting up. We had a lot of members come out to help and we thank them all.

Teardown went well and no equipment or people were damaged.

Photos:

Our thanks to professional photographer Sandy K4OXM who took the photos for us.

Soap box:

Chairman: Jim K4JGC made his first HF contacts and did a great job working phone on 20m. I think we have a new HF operator.

Chairman: Many thanks to Neil, WB2RUU for staying overnight to work CW and protect the equipment.

WB4EHG: Band conditions were poor which limited the number of HF contacts. Since 6m never opened we missed out on the 100 or so contacts that W6BXQ has made on 6m in the past. Being able to operate FT8 would have helped. We can hope that WSJT-X supports WFD in the future.

All of our equipment went together easily and operated well. Everyone got along well and helped each other out. This was a successful event for us.

WB2RUU: I think we missed an opportunity during sunset to sunrise by not have an 80m antenna set up. There was at least 15+ CW stations when I checked the band around 3-4 AM.

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