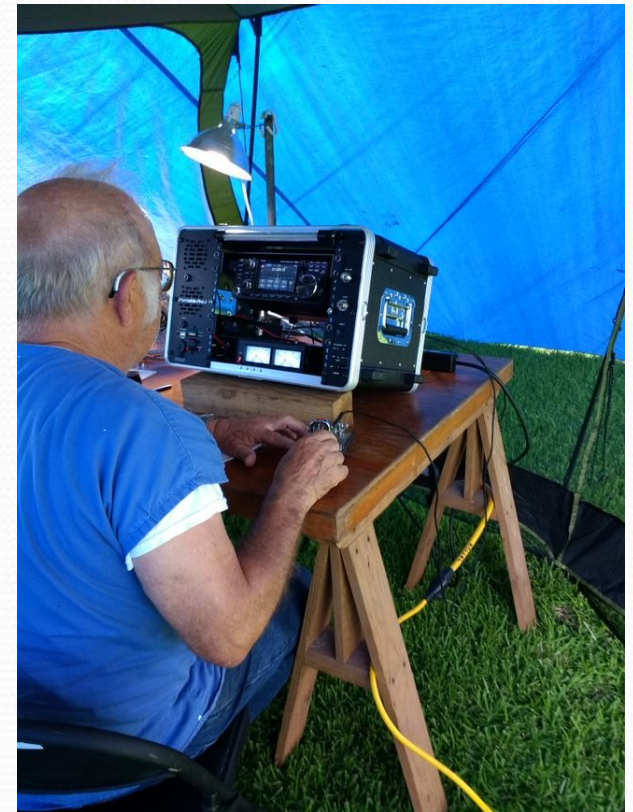


CRHRC
CROSS ROADS HAM RADIO CLUB
www.crhrc.org info@crhrc.org



What is Field Day?

- **Field Day** is an annual amateur radio exercise sponsored by the ARRL and encourages emergency communications preparedness among amateur radio operators.
- Since 1933, Field day has been the largest single emergency preparedness exercise in the country.
- To determine the effectiveness of the exercise and of each participant's operations, there is an integrated competitive component.
- The competitive component involves contacting as many other stations as possible while learning to operate radio gear in abnormal situations and less than optimal conditions.



When & Where

Field Day is always the fourth full weekend of June, beginning at 1800 UTC (1 pm) Saturday and running through 1800 UTC (1 pm) Sunday.

Field Day 2024 is June 22-23

CRHRC Location: Louise-Hillje Chamber of Commerce – “The Mill”

605 South St.
Louise, TX 77455

29° 6'31.66"N
96°24'24.85"W





Amenities:

Rv Parking (no hookups, must be self contained)

Use of entire property

Indoor kitchen/food staging area

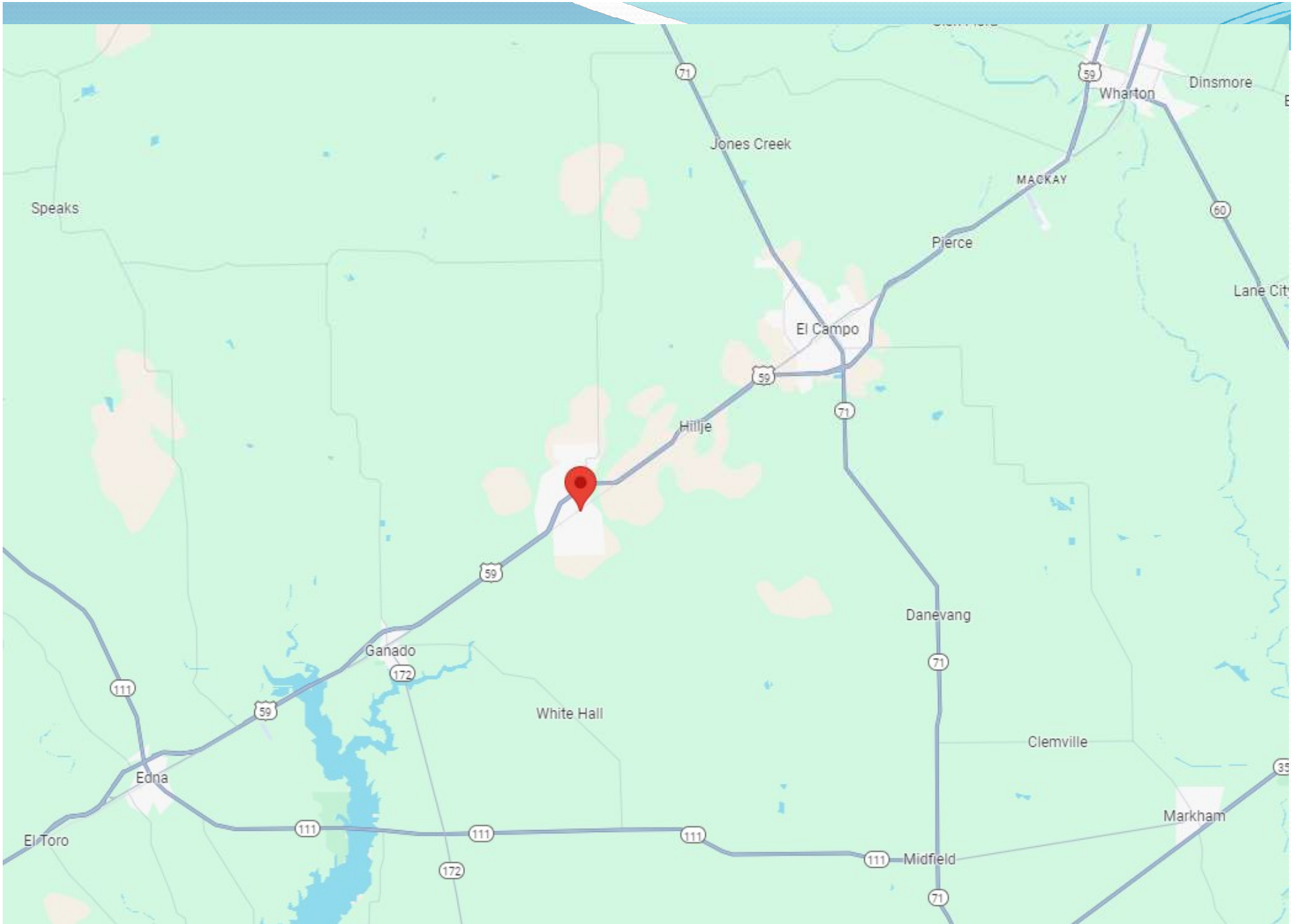
Tree cover

Covered pavilion for radio setup

Accessible to public

Plenty of parking

A/C Restrooms!





What are “Classes”?

Class A – A Club, or a non-club group of 3 or more persons setup specifically for Field Day.

Class B – One or 2 person portable & QRP 5 Watts or less, not commercial power, or motor driven.

Class C – Mobile Stations in vehicles capable of operating in motion. Could be nautical, aeronautical, people powered.

Class D – Home Stations, People operating from a permanent or licensed station locations on commercial power.

Class E – Home Stations – Emergency Power

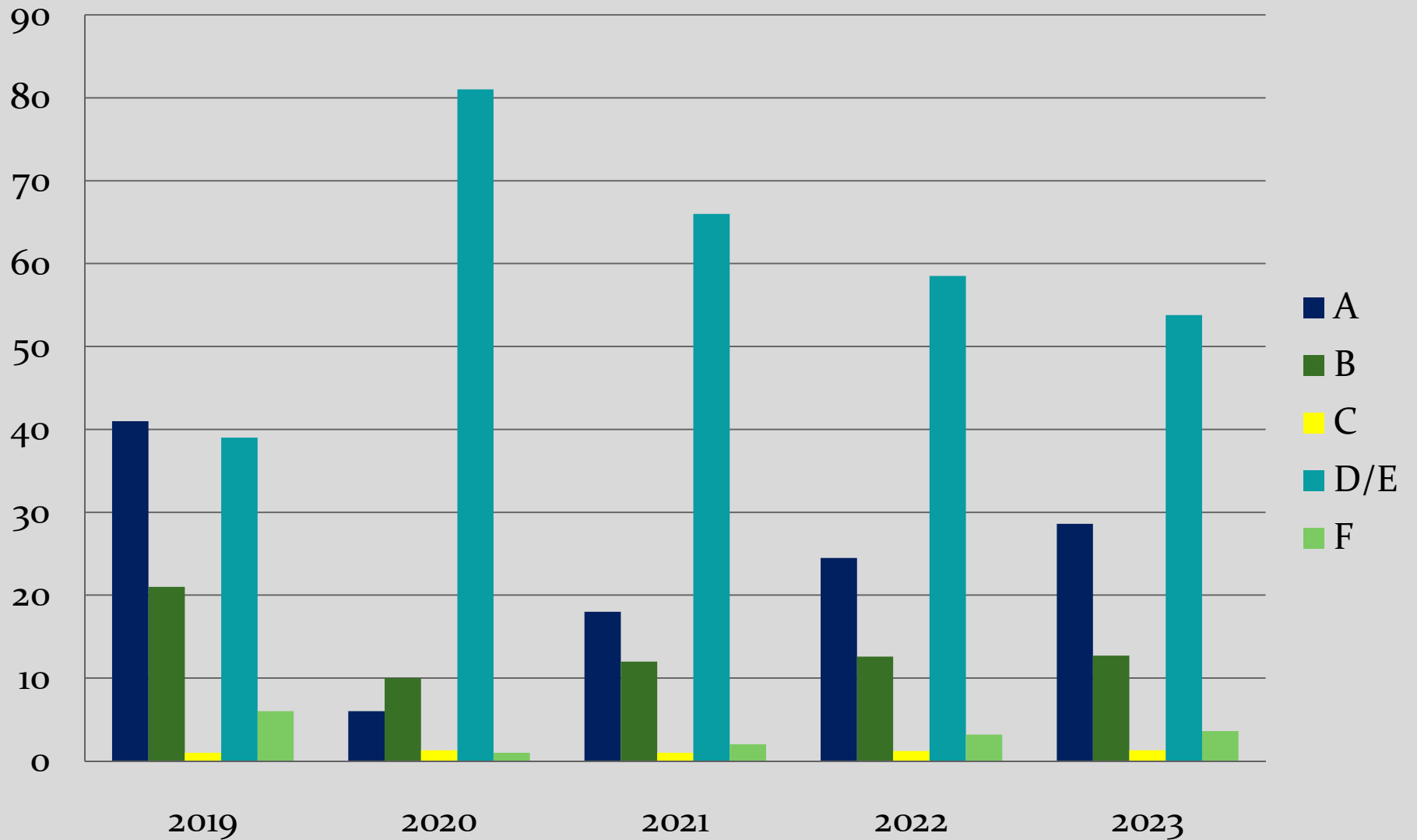
Class F – Emergency Operations Centers (EOC)



Comparison

CLASS	2019	2020	2021	2022	2023
A	41%	6%	18%	24.5%	28.6%
B	21%	10%	12%	12.6%	12.7%
C	1%	1.3%	1%	1.2%	1.3%
D/E	39%	81%	66%	58.5%	53.8%
F	6%	1%	2%	3.2%	3.6%
ENTRIES	3,113	10,213	5,979	4,929	4,445
QSO's	1,095,969	1,862,985	1,432,059	1,274,517	1,249,686

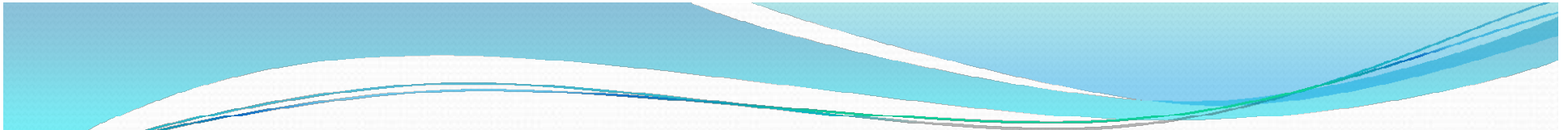
Participation by class 2019-2023



Equipment: “2A STX”

- 3 Antennas
 - Wilson SY33 Tri Band Beam on crank-up tower (20,15,10)
 - DX Commander “Classic” (80-10)
 - Inverted “L” with marine tuner (80-10)
 - ZS6BKW Dipole (40-10) (backup)
- 2 Radios
 - Yaesu FT-991A
 - Icom IC-7300
 - Icom IC-7200 (backup)





1. Tower and beam w/ inverted L
2. DX Commander Vertical
3. Operations Area
4. Inside (food/restrooms/hangout)





GOTA Station

- Get On The Air (GOTA) allows for members of the general public, newly licensed and generally inactive hams a place to get on the air.
- Can operate any FD band/mode.
- Must use different call sign but has same exchange as club station “2A STX”
- 5pts/qso and also qualifies for an extra bonus
- Chance to showcase easy deployment antennas
- Ben – KI5YDV will be providing GOTA station



Basic Field Day Rules

- 6.1. A person may not contact for QSO credit any station from which they also participate.
- 6.3. Field Day contacts are allowed using Phone, CW and Digital (non-CW) modes. Stations can be worked once per band per mode under this rule.
- 6.7. The use of more than one transmitter at the same time on a single band-mode is prohibited.
- 6.8. No repeater contacts are allowed.
- <http://www.arrl.org/field-day-rules>

Band “Tokens”



Bands: 160, 80, 40, 20, 15 and 10 Meter HF bands, as well as all bands 50 MHz and above, All modes.



Rule Changes 2024

- 7.3.13. GOTA Bonus (updated for 2024): The GOTA station bonus points are not multiplied by the power multiplier (this is a clarification of the rules published in 2023.)
- 7.3.3. Public Location: 100 bonus points for physically locating the Field Day operation in a public place (i.e. shopping center, park, school campus, etc) and actively welcoming the public. Person(s) shall be available to greet the public and be identified by some sort of name badge. **The intent is for amateur radio to not only be on display to the public, but to also engage any visitors showing up at your location. Available to Classes A, B and F.**
- 7.3.18. Field Day Responsibilities Bonus (new for 2024): A 50-point bonus may be earned by having a person ensure that the Field Day site is free of hazards, and that safety precautions have been taken throughout the entire event, as well as providing a point of contact to the visiting public or served agency officials. A signed copy of the Field Day Responsibilities Check List must be included in the supporting documentation sent to ARRL HQ in order to claim this bonus. Available to Class B, C, D, E, or F entries.



Exchange:

- Contacts will exchange information about their setups:
 - Class – including number of transmitters
 - Section – ARRL section locator (where they are)
- The W₅LCR exchange will be “2A, STX(South Texas)”

Use Standard Phonetics...

...its what both sides expect to hear.

A – Arsenic	N – Nevermind
B – Bonehead	O – Oinker
C – Communisit	P – Putrescent
D – Dimwit	Q – Quintuplets
E – Earwax	R – Radioactive
F – Flatulance	S – SkyMiles
G – Gangrene	T – Trump
H – Hernia	U – Underwear
I – Idiot	V – Vixen
J – Jerk	W – Whoops!
K – Kabob	X – Xenopus
L – Lice	Y – Yuck
M – Moron	Z – Zombie

<i>A – Alpha</i>	<i>J – Juliet</i>	<i>S – Sierra</i>
<i>B – Bravo</i>	<i>K – Kilo</i>	<i>T – Tango</i>
<i>C – Charlie</i>	<i>L – Lima</i>	<i>U – Uniform</i>
<i>D – Delta</i>	<i>M – Mike</i>	<i>V – Victor</i>
<i>E – Echo</i>	<i>N – November</i>	<i>W – Whiskey</i>
<i>F – Foxtrot</i>	<i>O – Oscar</i>	<i>X – X-Ray</i>
<i>G – Golf</i>	<i>P – Papa</i>	<i>Y – Yankee</i>
<i>H – Hotel</i>	<i>Q – Quebec</i>	<i>Z – Zulu</i>
<i>I – India</i>	<i>R – Romeo</i>	

The International Telecommunications Union
Standard Phonetic Alphabet



2 ways to operate

- Run
 - Find a clear frequency and call CQ
- S&P (Search and Pounce)
 - Tune around and wait to call the station calling “CQ”

FD QSO (RUN)

- CQ FD CQ FD Whisky Five Lima Charlie Romeo
- W₁AW
- W₁AW Please copy “2A STX”
- QSL, PLEASE COPY “3 DELTA, CT”
- Thanks, 73. QRZ this is W₅LCR



FD QSO (S&P)

- Tuning around you hear:
- CQ FD CQ FD This is WHISKY ONE ALPHA WHISKY
- Whisky 5 Lima Charlie Romeo
- W₅LCR Please copy “3Delta CT”
- QSL, PLEASE COPY “2 Alpha, South Texas”
- Thanks, 73. QRZ this is W₁AW



Scoring – QSO Points

- Phone contacts count one point each.
- CW contacts count two points each
- Digital contacts count two points each.
- Power multipliers



Contest tips:

- LISTEN, LISTEN, LISTEN!!!!!!!
- Get call sign and exchange before answering a CQ
- If you cant get through the pileup, tune up a little
- LISTEN for cadence: is he taking first or last call??
- COATTAIL
- Try to match speed (CW)



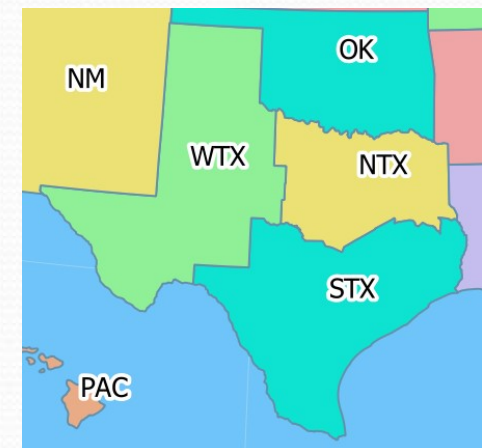
Bonus Points

- 100 % Emergency power
- Media Publicity
- Public Location
- Public info table
- Educational Activity Bonus - KA9IKK Traffic Handling
- Youth participation
- Social Media
- Safety Officer – KI5OMW/KI5SIJ
- GOTA Station contacts
- NTS message passing/handling

2023 Results

- <https://field-day.arrl.org/fdresults.php>
- 8th/120 in STX
- 1st in “2A STX”
- 2023 aggregate was 6,427 with 3 contributors to club!
- N5YIZ-Preston, W5CPO-Phil, KC5PPG-Calvin

#	Call	Name	Pts
1	W5LCR	CRHRC (676)Q 5-participants	3943
2	K5A	Williamson Co. ARC (655)Q 28-par	3657
3	W5BSC	Bryan ARC (700)Q 54-p	2724
4	W5WTM	Matagorda Co. ARC (291)Q 41-p	1992

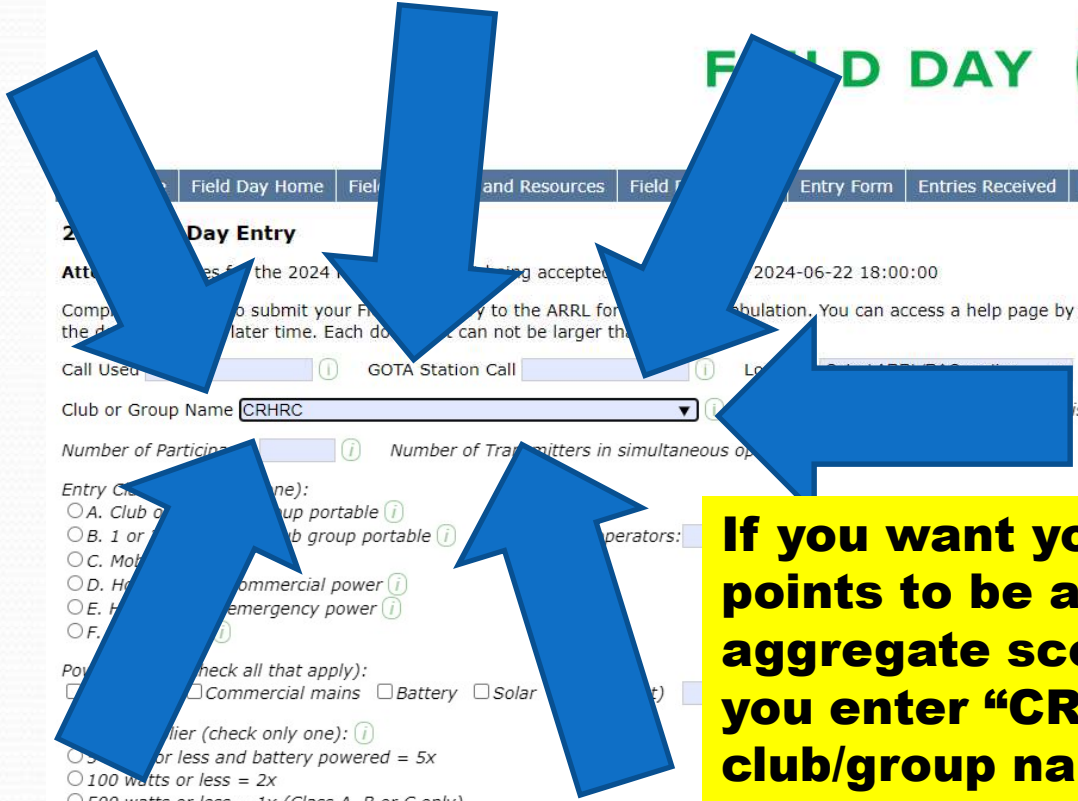


2023 top 5 (STX)

Place	Call	Name	Pts
1	KK5W – 10A	Brazos Valley ARC (5308)Q 204-par	20,638
2	NN5P – 2E	Coltwood CW Contest Club(2,399)Q 2-par	9,210
3	K5TR – 1D	George Fremin (Oak Hill ARC) (1,276)Q 1-p	7,182
4	W5RRR – 10F	Johnson Space Center ARC (2,419)Q 32-part	5,871
5	W5NC – 3F	Northwest ARC (1,243)Q 57-part	5,483




FIELD DAY JUNE 22-23







Field Day Home | Field Day Schedule and Resources | Field Day Entry Form | Entries Received | Results | Soapbox



2024 Field Day Entry

Attention: Entries for the 2024 Field Day are being accepted until 2024-06-22 18:00:00







Complete and submit your Field Day entry to the ARRL for adjudication. You can access a help page by clicking on  next to an item on the form. **Note:** You can select the date and time later. Each document can not be larger than 10MB.

Call Used:  GOTA Station Call:  Log: 


Club or Group Name:  (Click on the existing list, or type complete name not on list.)


Number of Participants:  Number of Transmitters in simultaneous operation: 

Entry Class (check only one):

- A. Club or group portable 
- B. 1 or more operators, club group portable 
- C. Mobile 
- D. Home, commercial power 
- E. Home, emergency power 
- F. Other 

Power Source (check all that apply):

Commercial mains Battery Solar Other 

Power Source (check only one): 

- 500 watts or less and battery powered = 5x
- 100 watts or less = 2x
- 500 watts or less = 1x (Class A, B or C only)
- More than 500 watts (will not be listed in the results)

If you want your individual points to be added to the club aggregate score, make sure you enter "CRHRC" in the club/group name field when submitting your score!!

Bonus Points claimed: Check each box as appropriate and include required proof of points with your submission. All bonus points will be verified at ARRL HQ and added to your score.



Safety

- Safety Officer – KI5OMW – Thomas & KI5SIJ - Josh
- Fuel for generator properly stored
- Fire extinguisher on hand and appropriately located
- Temporary antenna structures properly secured and marked
- Site secured from tripping hazards.
- Site is set up in a neat and orderly manner to reduce hazards.
- Safety Officer is designated point of contact for public safety officials.

Logging Software

- Club will be using “N1MM Logger+”
- Feature rich and nicely priced!

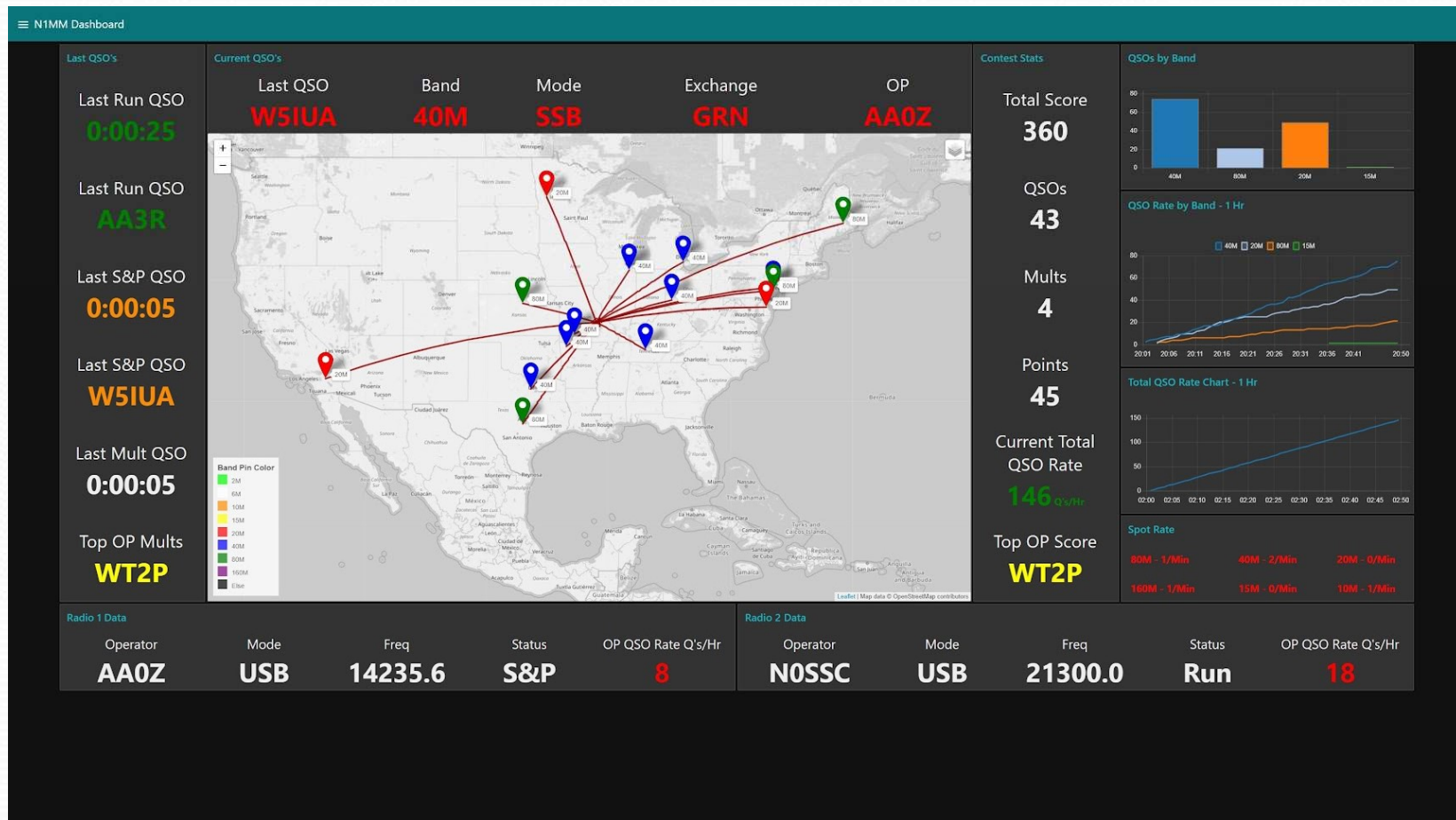
The screenshot shows the N1MM Logger+ interface. At the top, it displays '14200.00 USB Manual - VFO A' and 'Op: KØPIR'. Below this is a control panel with buttons for 'F1 S&P CQ', 'F2 Exch', 'F3 Spare', 'F4 KØPIR', 'F5 His Call', 'F6 Spare', 'F7 Rpt Exch', and 'F8 Agn?'. A status bar shows 'Hdg 108° LP 289° 65mi 105km'. The main window contains a log table with columns for time, call, frequency, mode, exchange, section, points, computer, and operator. Below the log table is a 'Network Status' window showing two stations in the network.

MM-DD HH:MM	Call	Freq	Mode	Exch	Sect	Pts	Computer	Op
06-12 16:30	WA0AFD	14192.50	USB	1A	MO	1	HP8300_DESKTOP	KØPIR
06-12 20:38	WB2UFO	14200.00	USB	3A	IL	1	STREAM	KØPIR
06-12 20:39	KD0S	14200.00	USB	3A	SD	1	HP8300_DESKTOP	KØPIR
06-12 20:39	KD0S	14200.00	USB	3A	SD	1	HP8300_DESKTOP	KØPIR

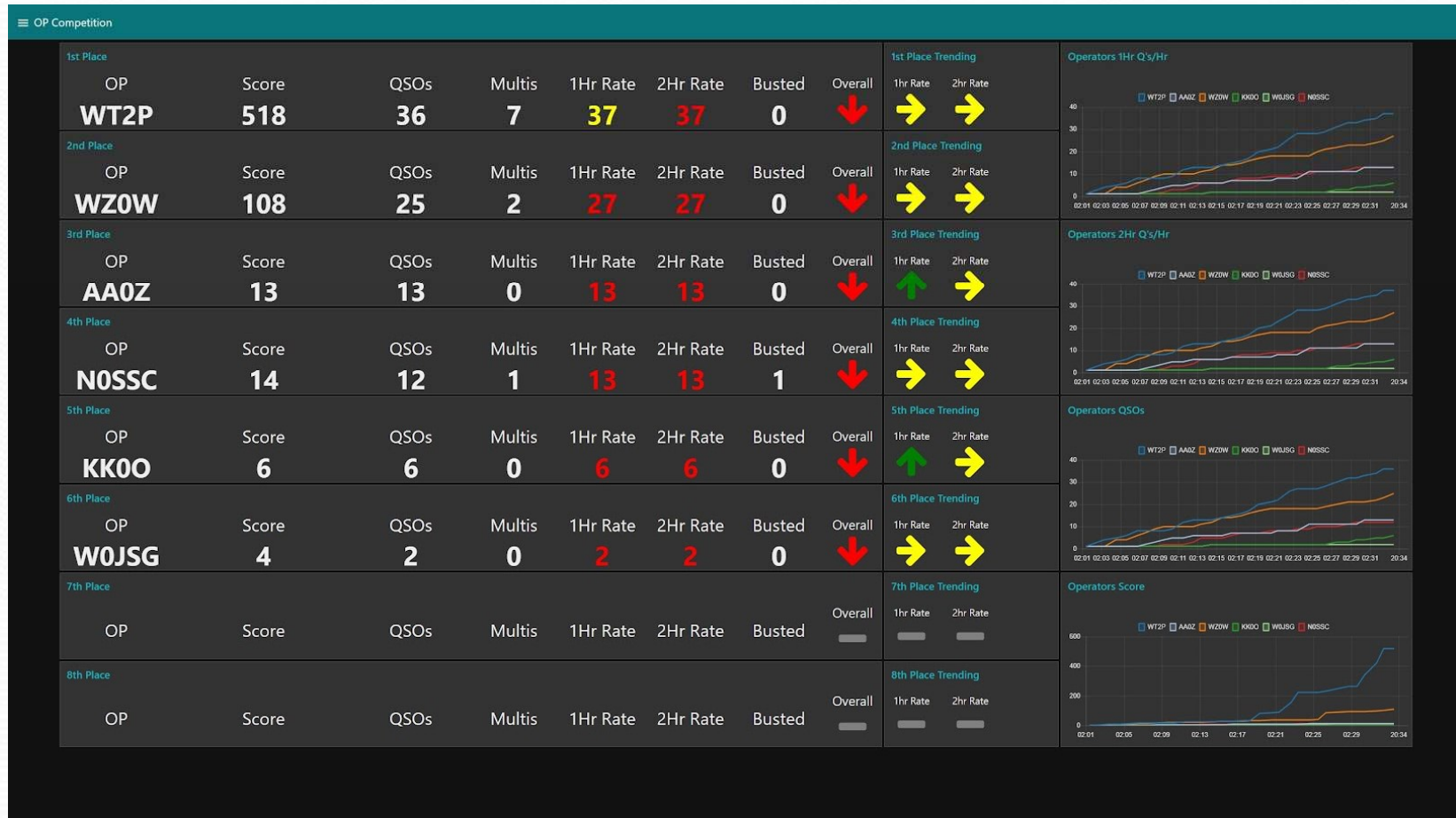
Computer	IP Address	Pass	Run	10	100	Freq	Op	Msg	Send	Re...	Ma...	Band
HP8300_DESKTOP	192.168.0.10	0.00	S&P	0	0	14200.00	KØPIR	Ok	Ok			14
STREAM	192.168.0.24	14200.00	S&P	0	0	14200.00	KØPIR	Ok	Ok			14

The screenshot shows the UA9OV CwGet software interface. It features a spectrum display at the top with a peak at 14.044.970 kHz. Below the spectrum is a text area displaying a message: 'CWGET.INI file was not found in a working directory. Working directory was changed to default directory. C:\ProgramData\CwGet'. The bottom part of the interface is a keypad with buttons for 'M1' through 'M8' and 'EDIT/SET'. The keypad buttons are labeled with call signs and numbers: M1 (CQ CQ DE), M2 (5NN 002), M3 (TU EL19), M4 (EL19), M5 (?), M6 (W5CUY), M7 (5NN TU), M8 (TU), and EDIT/SET (-1 002).

N1MM Dashboard



N1MM Dashboard







What to bring

- Chair
- Favorite flavor bug spray, sun screen, etc.
- Rain Gear
- Beverages of choice – we will have water
- Snacks – we will have a meal Saturday evening
- Whatever gear you want to play with
- Headphones



Remember:

- Have Fun!
 - Make Contacts
 - Improve operating skills
 - Learn something new
 - Be safe
-
- **HAVE FUN!**

Questions?

June 22-23 Setup starts 8am 6-22 with operations starting 1pm local

Location: Louise-Hillje Chamber of Commerce – “The Mill”

605 South St.
Louise, TX 77455

