



ARRL Field Day 2022

TOM PERRY - KN4LSE - FIELD DAY CHAIRMAN

MARTIN BUEHRING – KB4MG – CLUB PRESIDENT

You must be registered



Field Day is Ham Radio's open house.

Every June, more than 40,000 hams throughout North America set up temporary transmitting stations in public places to demonstrate ham radio's science, skill and service to our communities and our nation. It combines public service, emergency preparedness, community outreach, and technical skills all in a single event. Field Day has been an annual event since 1933, and remains the most popular event in all of ham radio. Learn more about the history at :

<http://www.arrl.org/field-day>

Cherokee Amateur Radio Society participates in this event every year. We invite anyone wanting to know more about this hobby, to attend this event.


Registration

Field Day registration is now open! It is required for your participation in this event. If you already know your plans, don't delay, just register as soon possible.

Why registration? We need accurate head counts and this will also help us gauge how many want people to participate, and in what activities. Field Day takes a great deal of planning, so your cooperation is greatly appreciated.

[REGISTER HERE](#)







Cherokee Amateur
Radio Society

CARS - Field Day 2022 Sign-Up

This form is to be used by the membership of the Cherokee Amateur Radio Society (CARS) to sign up for the events on Field Day 2022. June 25th and 26th.

 kb4mg8513@gmail.com (not shared) [Switch account](#) 

* Required

Call Sign

Your answer

First Name *

Your answer

Last Name *

Your answer

Email Address

Your answer

Are you a Cherokee Amateur Radio Society (CARS) member? *

☐ Yes

☐ No

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Field Day 2022 – Major Roles

GOAL: Successful Field Day that will be enjoyed by all the participants

Planning makes all the difference. Thanks to those who participated the planning process!

Major Roles

Field Day Chairman – Tom Perry KN4LSE

Hospitality Committee - James James KE4HMS + Team of 4 or 5

Antenna Planning – Stan Ham WB9GFA, Marty Buehring KB4MG, Don Coltrane KJ4UC

Site Planning Committee – Tom Perry KN4LSE , Stan Ham WB9GFA, Rob Bruderer W1JKU

Logistics & Station Operations – Tim Wall KJ4RDF, Chad Cone KY4KP, Jason Turnage KO4NDP

Safety Officer – TBD

First Aid - Rob Bruderer W1JKU

Photography – Jonathan Price KM4ZHZ



A word for new hams and new to FD

- THIS is a premiere learning experience where you can learn more in one day than from reading many books.
- Ask the questions you have about any aspect of the hobby.
 - PS – we don't know it all, but we will try to help you get the answers
- Expand your horizons beyond what you do today.
- Explore your motivations for Ham Radio
- Get on the air! You will enjoy it.



Field Day Logistics



CARS Operations

Location : Rob Long family farm – Taylorsville, GA (near Cartersville)

Entry Category : **4 Alpha** under call sign **K4R** , except for GOTA station – **WX4CAR** - club call

Advance Team – Friday, June 24 at 1PM at the site – Antenna rigging and tuning

Setup – Saturday, June 25 at 0800 , to be completed by 1200 hours

- Antenna final tuning
- Setup for tables, chairs, lighting, etc
- All transmitters, antennas, and equipment used must be within a circle 1000 feet in diameter
- Food or non-transmitter related things can be outside the circle.
- Banners and other collateral for the visitors at the most visible spot

Briefings - Saturday at 1200 hours – Rules and operations, N3FJP training, Safety Briefing

Tear down – Sunday afternoon ~12 noon or 1pm . We really need help with this, so please plan to be there.



Site Rules



You **MUST** sign in as a participant for Field Day to operate any stations –Sign In List will be onsite the day of the event at the Help Desk.

Reserve operating time on the operators white boards, and be there on time.

Do not change the band mode of a station without consulting Tim Wall or other band coordinators (Chad, Jason).

If you leave the site, let us know, so we are not looking for you.

Have an HT that functions on UHF Simplex , for onsite communications –
UHAM 42D Simplex mode

Be Flexible and courteous – We may ask you to do something where we need your helping hands.

On-air Operations Rules



- Please take time read the ARRL Rules for Field Day
 - Posted in the Field Day section on the ARRL site
- We will brief you on the rules again on Field Day and how they apply to our particular setup.
- You will be trained on the N3FJP Logging program.
 - You can download a copy for free and try it on your own machine before Field Day. (n3fjp.com)
- Operations will run for 24 hours, so there is ample time to get on the air.

Hospitality

- **James James (KE4HMS) Team Lead**
- Food and drinks will be provided by the club for:
 - Saturday Lunch and Dinner
 - Sunday Breakfast and Lunch
- Clean-up is your own responsibility
 - Leave the site better than when we arrived



Overnight stay and campers

- Please register your camper with Tom Perry (KN4LSE). (need size info)
- Tom will assign a spot for you based on camper length and needs.
- Follow instructions from the parking team when you arrive in Field Day
- Bunk room is first come-first serve
- You may bring your own gear
 - Small tents, cots, sleeping bag, etc



What to do when you arrive



- ✓ Be sure to sign in on the official log so we credit for your participation with ARRL.
- ✓ Organized chaos is generally the rule. Don't be part of the chaos.
- ✓ Know what you volunteered for. Help where asked to do so.
- ✓ If you are unsure how to do something, ASK us
- ✓ If you need something to do , ASK us
- ✓ If you think something is unsafe, you are probably right. Practice safety first! Talk with the safety officer.
- ✓ Be prepared for the weather and harsh environment, especially rain. We have sufficient cover in the barn this year.
- ✓ Invite people to visit and experience what we are doing

Site Command and Communications

- General Site communications please use **UHAM42D**
 - 445.6625 MHz no PL – Simplex channel
- Command Only: UHAM41 and **UHAM41D** (local command) 443.075 MHz
- Talk-in frequency – VHAM11 (KG4VUB) 145.270 Mhz , PL 100 -offset



Cell phones and WiFi

Cell coverage at the site is good for the major carriers. Cell calls should not be any issue.

There is WiFi coverage in the barn. Tom will provide the SSID and passcode , if you need it.



Schedule of Events



Field Day 2022 Schedule of Events

Saturday 6/25		
08:00	Arrivals	
08:30	Antenna Team Final	Hospitality Team Setup
		Station setup + GOTA Setup
12:00	Briefing and N3FJP Training	
13:00	Lunch	
14:00	Learning Event WINLINK -RF	Start of Field Day Radio work on 15, 20, 40 meters + GOTA
15:00		
16:00		
18:00	Dinner	
19:00	HT Programming & Elmering Time	Evening/Night Operations Radio work on 20, 40, 80 meters
20:00		
21:00	Evening/Night Operations Radio work on 20, 40, 80 meters	
24:00		

Sunday 6/26		
00:00	Evening/Night Operations Radio work on 20, 40, 80 meters	
07:00	Breakfast	
08:00	Day Operations Radio work on 15, 20, 40 meters	
12:00	Lunch	
12:30	Antenna Team Takedown	Hospitality Team Takedown
		Station setup + GOTA Takedown
14:00	Departures	
15:00		

Help Desk

New! For FD 2022

Help/ Answer Desk

Central place to ask any questions that you may have about Ham Radio and/or electronics in general.

Located with the GOTA station and staffed by our seasoned hams throughout the day.



How can we help you?

Electrical Power plans

As an Alpha class (4A) setup, all radios and any computers controlling radios, must be on emergency power.

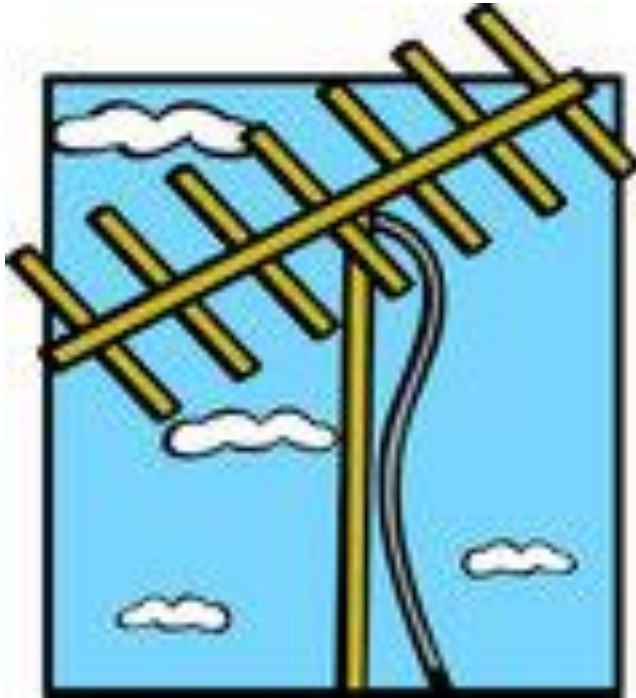
We will need to make 5 or more contacts on battery/solar anytime during Field Day operations.

We will have 2 gasoline generators onsite to accommodate the radios.

Logging computers and any other personal items like lights, fans, etc can connect to commercial power, available throughout the barn.

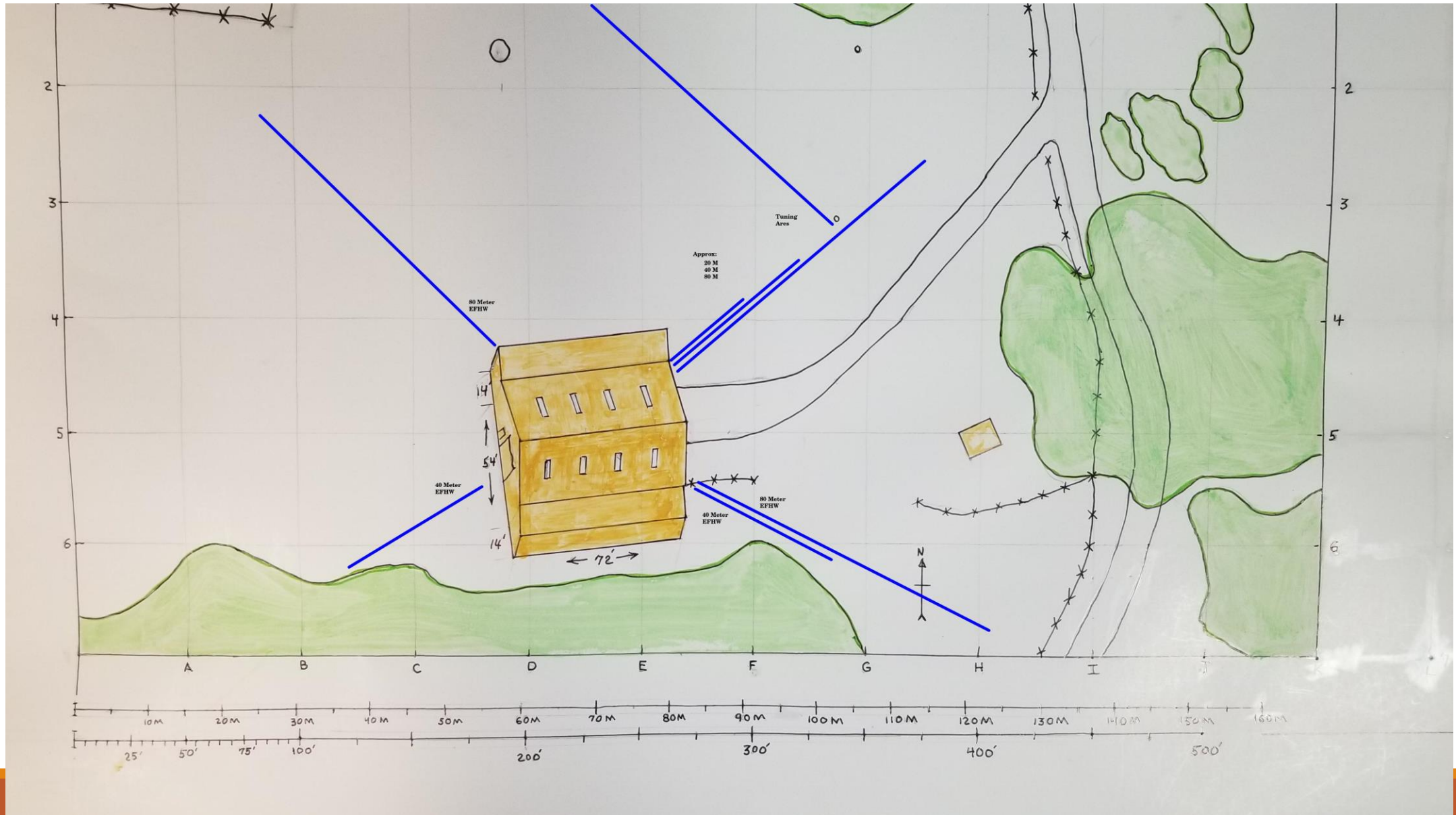


Antenna Plans



- Have a few possible scenarios to explore at setup
 - Using the EFHW we built in the May workshop for two antennas
- Some trees at the site, but we will need some tent poles
- Antenna are for bands 80-10 meters
- We have bandpass antenna filters to be used for 80-40-20 meter operation. This is mandatory to prevent interference.
- **DO NOT** just put up your own antenna someplace without talking with Tom, Rob, Marty, Stan or the FD Leadership team
- We will allow a VHF antenna, if you plan to use it

Proposed Antenna Layout



Proposed antenna plan



What can you bring?

- You may bring and use your own radio equipment on Field Day. Must reserve a spot.
 - You must schedule with one of the three station sites to use the antenna with your rig for a specific timeframe.
- Whiteboards at each station location will be used for scheduling of station usage.
- There will be a table location for setup of an alternative station.
- Be sure to coordinate this with the station captain.
- You should bring your own computer to run any digital modes (ie FT8, RTTY, etc)



You must **CLEAR AWAY** your equipment
When you have completed your time

Other Items you can bring



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- ✓ Bring your own Headphones
- ✓ Personal Care items
 - ✓ Insulated water bottle, meds, etc
- ✓ Headphone splitter, if you have one
- ✓ Personal fan
- ✓ A good cheerful, helpful attitude ;>)



What not to bring to Field Day



No alcohol



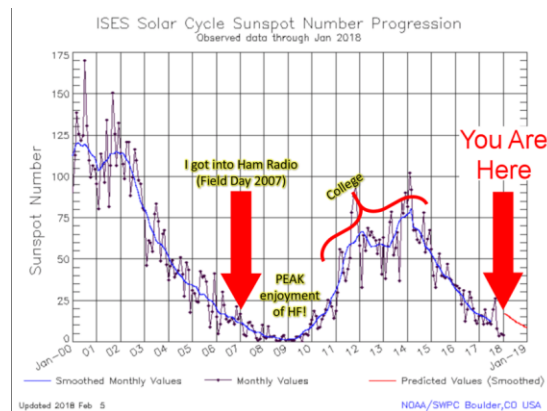
No really large antennas



No weird relatives



No weird condiments



No Bad
Propagation

ATTITUDE
is Everything

No bad attitudes

Photography

Jonathan Price (KM4ZHZ) will help with photography

Please take pictures! We want to see a variety of activities captured.

SMILE for the camera!

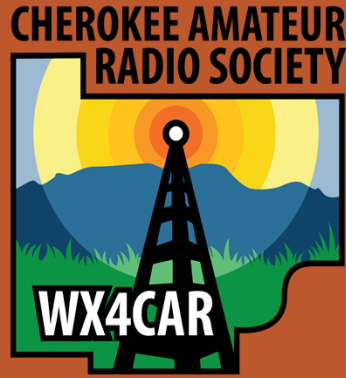
If anyone has a drone for aerial photography, that is welcome as well.



Friday Setup Team

KE4ARD	Dennis	Ard
K4OTX	Bruce	Barkley
KB4SYV	Ed	Boyett
KB4MG	Marty	Buehring
KY4KP	Chad	Cone
KY4IW	Hugh	Hart
KE4HMS	James	James
KB4GT	John	Kellerman
KJ4PQX	Ken	McIntire
K4MOV	Matt	North
KW5W	Joel	Taylor
KJ4RDF	Tim	Wall
KN4LSE	Tom	Perry
WB9GFA	Stan	Ham
W9PRA	Bobby	Thornton





FD 2022

They say you put a new wrinkle in the gray matter of your brain every time you learn something new.

Commit to learning 3 new things this Field Day and add some new wrinkles.

- Come prepared to get the most out of Field Day
- Commit to learning
 - Learn 3 new things and tell us about them at the meeting in July
- Share your experiences and ideas with others
- Be sure to GET ON THE AIR!
- **Final questions or concerns?**