

BAARC 2024 FIELD DAY

CALL SIGN

W5DRZ



Field Day
June 22-23, 2024

History of Field Day

- Began in the 1930's as an event to test field preparedness and emergency communication abilities.
- Grown to largest on-air event each year
- In 2023 4500 clubs, groups and individuals in the US and Canada submitted operating logs
- Over 30,000 participated in the event, logging over 1.25 million QSOs

Field Day is an operating event not a contest, however a score is submitted to then ARRL based on number and type of contacts, number of transmitters, and bonus activity participation

The purpose remains today as it did in the beginning: **to demonstrate the communications ability of the amateur radio community in simulated emergency situations**

It is the “Show and Tell” to the public for Ham Radio

What makes a good Field Day?

Every Ham probably has his or her own answer
to that question.

Above all, Field Day should be a FUN activity

OPERATING OBJECTIVE

To work as many stations as possible on the 160, 80, 40, 20, 15 and 10 Meter HF bands, as well as all bands 50 MHz and above.

Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations and countries within IARU Region 2.

DX stations residing in other regions may be contacted for credit, but are not eligible to submit entries.

WHO IS WELCOME AT BAARC Event

OPEN TO ALL Licensed Hams and visitors

Members and Non Members are welcome to visit and operate on an available station.

If you would like to operate--- just ask and we will try to find you an operating position

**Let Bruce Bierma, KG5CZT,
ragpockets@hotmail.com or Dan Woods, W5BM,
dawoods@ix.netcom.com or a club officer know that you are coming and how you would like to participate**

WHERE

BA Event Park

21101 E 101st

Broken Arrow , OK

East of North Eastern State University

Broken Arrow

BA Event Park

Legend

North Eastern State
Broken Arrow

Arrow

CREEK TURNPIKE

EVENT PARK

Field Day Site

101st Street

Google Earth

Image © 2024 Airbus



1000 ft





CREEK TURNPIKE



Field Day Site

REST ROOMS

PARKING

101st Street

WHEN

Begin arriving from unloading and setup Saturday morning, June 22 7:00am. Pancakes should be on the grill by 8:00 for those wanting breakfast.

TIME SCHEDULE

7:00am Saturday to 1:00pm setup any tents, generators , tables and chair. Setup Operating positions (radios and accessories) and antennas for each.

After 6:30 pm , June 22 Hamburgers, fixing, chips and deserts will be available. And Earl's Homemade Ice Cream

Operate through the night. At 8:00ish am Sunday pancakes will be available.

1:00 pm Sunday STOP operating and start tear down and cleanup

Entry Categories

These are based on:

- Number of transmitters operating simultaneously
- Class of Operation such as A, B, C, D, E, F depending on power source, type operation, are the main criteria.

Examples: Home station, Club Station, Emergency Management station, etc.

ARRL 2024 FIELD DAY PACKET

<http://www.arrl.org/files/file/Field-Day/2024/2024%20Field%20Day%20Packet%20v1.pdf>

Or google the caption above or request me to send it,
Dan,W5BM: dawoods@ix.netcom.com

8 Classes of operation

Class A – club or non club portable station with 3 or more operators, using 100% emergency power

- *This is our class – we will be using gasoline generators*

Class A (battery) – same, 5 watts max; battery

Class B – portable station with 1 or 2 operators, using 100% emergency power.

Class B (battery) – same, 5 watts max; battery.

Class C – mobile station

Class of operation (cont.)

Class D – fixed station on commercial power
(Home)

Class E – fixed station on emergency power.
(Home)

Class F – operation from an established
Emergency Operations Center.

ARRL Sections

71 Sections

Basically each US state and Canadian province.

Each state may be divided into several sections

- Ohio is one section
- New Jersey is 2 sections
- Texas is 3 sections
- New York is 4 sections
- California is 9 sections

A printed list section abbreviations will be provided

The Contact “Exchange”

- In order to make a valid contact, the information to be exchanged consists of
 - Number of transmitters at your site
 - Class of operation
 - ARRL Section

Examples

- On CW or Digital– 3A OK
- On phone – Three Alpha, Oscar Kilo Or
Three Alpha, Oklahoma

Field Day Scoring

- 1 point for each Voice contact
- 2 points for each CW or Digital contact

Add total points for all QSOs

- Multiplier is power level

QRP (max 5 watts) without gas generator or commercial mains – 5x

QRP with gas generator or commercial power or batteries charged from either – 2x

- Low Power (100 Watts or less) – 2x
- High Power (100-500 watts) - 1x

Add bonus points

Bonus Points

- 100% Emergency Power – 100 points per xmtr (GOTA, VHF and Satellite not incl.)
- Media Publicity – publishing FD schedule on Facebook counts-100 points
- Public Location – 100 points
- Public Information Table – 100 points
- Originating formal message to SM – 100 points
- Handling formal messages – 10 points each, max 100 points

Bonus Points (cont.)

- Satellite QSO (just 1) – 100 points
- Natural power: solar, wind, methane, water, human powered bicycle, - 100 points
 - Need to make 5 contacts minimum
 - Counts as one of the transmitters; or pull one off air during QSO's
 - Includes batteries charged by alternate power

Bonus Points (cont..)

- Copying special FD bulletin on W1AW
 - (must be copied over the air) – 100 points
- Educational Activity – 100 points
- Site visit by elected government official – 100 points
- Site visit by served agency rep. – 100 points

Bonus Points (cont.)

- GOTA Station 5pts per contact unlimited any mode..
100 pts bonus if full time GOTA Coach for 10 Q's
- Web submission of FD Entry – 50 points
- Youth participation: 20 points per youth (18 or younger) who completes at least one contact (max. 100 points).
- Social Media Promotion of FD Site -100 Points
- Safety Officer -completes safety Check List -100 pts

Misc. Rules.....

No contact between FD station and individual participant of that station.

Radios cannot be used for more than one call sign during FD period.

Phone, CW, and Digital are considered separate “modes”

All voice contacts (SSB, FM, AM, Satellite) are equivalent (1 point each).

Misc. Rules (cont..)

- All digital contacts (PSK31, FT8, FT4, MT63, Packet, Pactor, etc.) are equivalent (2 points each)
- No cross-band contacts (exc. Satellite)
- Only one xmtr per band-mode at any time (GOTA ok)
- No contacts on repeaters
- Batteries may be charged while in use, but not from commercial mains (exc. Class D)
- All stations must use same call sign (except GOTA)

Limitation

- Can only work each station once per band-mode
- For example, you can work each station once on 20M phone, once on 20M CW, and once on 20M digital mode (total 5 points).
- You can work the same station on other frequency bands and modes for additional points.

Current Thinking on Setup

- Operating Positions under Shelter
-transmitters each with logging
computers-#?
- Antenna setups: Guy's tower with
tri band beam 10, 15 and 20m,
Vertical 20 15 10m and G5RV
wire for 80m - 10m

BROKEN **A**RROW **A**MATEUR **R**ADIO **C**lub

W5DRZ

est. 1978



Located in Broken Arrow, Oklahoma

RF CATER FREQUENCY = 146.910 - 146.990 MHz

Current Thinking on Setup-cont.

- Power source generators ... for Transceivers and logging Computers
- Tables and a dozen or so folding chairs (bring chairs)
- Internet Iphone WI-FI Hot Spot
- Things that would be helpful.... Lights and a large fan
- We will need several 100' plus coax runs for the antennas

Current Thinking on Operations

- Three transmitters ...Phone, DIGITAL/CW and CW
- If a transmitter is not in service for the designated mode, then it can switch depending on operators preference... CW on 20m could change to Phone on a unused band
- Try to keep logs networked using N1MM logging software otherwise will have dupes





Current Thinking on Operations Cont.

- Anyone like to be the GOTA (Get on the Air) station.
- Anyone want to setup a (50Mhz up) ; VHF or UHF station ???
- These are free extra transmitters for the QSO count

Our Exchange..... 3A OK

- CW or Digital 3A OK
- SSB Phone Three Alpha Oklahoma
- Some will likely embellish with “Good Luck” or “Thank You” or “Good evening”, “73” and some will give exchange and be gone..... Be courteous, go with the flow and enjoy

Logging

- .Log The Following: Frequency, Mode, Date, Time in UTC, Station Call Sign, and Exchange. (#transmitters, class, ARRL section or DX)
- .Use N1MM software for logging.
- . *Home OPS- On submitting log-List "Broken Arrow ARC" as club to add to both your and our score*

Your Responsibility

.PARTICIPATE

- .Be Helpful where you can.**
- .Welcome Guests wanting to know more about Amateur Radio.**
- .Operate a station or Log contacts for someone operating.**
- .Ask Questions about things you do not know.**
- .Assist in Setup and Takedown.**
- .Help make sure all equipment, operating aids and other items are returned to the appropriate person.**

Enjoy the event



QSO's

Don't be timid, or intimidated!

You will make far more contacts by chiseling out a frequency and sticking to it, than chasing frequency after frequency.

Don't be rude, but stand your ground, it's a very crowded operating event. Some take it dead serious, some, not so serious.

Use good operating practice and **EEK** out as many contacts as you can.

A PILE UP CAN BE FUN!

Final Thoughts

Remember field day is to operate, learn and have
FUN!

*Please, if someone comes by and wants to know about
HAM RADIO, talk to them and let them get on the
AIR! If another operator wants to get on the air, share
your station. Also, if the logging software allows,
please note the change of operator or 3rd party*

**.If possible, please show up to help setup and
especially TAKE DOWN and CLEAN UP**

WHO TO CONTACT

LET US KNOW YOUR COMING.

Bruce Bierma, KG5CZT,

ragpockets@hotmail.com

or Dan Woods, W5BM,

dawoods@ix.netcm.com

or any club officer .