NA4DC Field Day 2022

DCARC

Any text underlined is an active link

Rich Joerger
WB4EHG
2022/07/04

Field Day is our opportunity to show the world how ham radio can help in a disaster

Stations in the United States and Canada participate by taking our equipment out into the field and operating under simulated emergency conditions with alternative power sources and make-shift antennas

We operate for 24 or 28 hours (depending on when set up begins) using any mode that can pass the Field Day message (class & ARRL/RAC section)

We work as many stations as possible in the contest period. Points are issued depending on the operating mode (phone, cw, digital)

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We say that Field Day is not a contest but we still accumulate points so maybe it is a competition?

We gain points by operating …

CW (Morse code) contacts are worth 2 points each

Phone (SSB, AM, FM) are worth 1 point each

Digital (RTTY, PSK, FT8, FT4, JTx, …) are worth 1 point each

We can work each station once per band/mode
NA4DC can work WB4EHG once each for SSB, CW, FT8 on any 1 band

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We also gain points by executing bonus items:

100% Emergency Power	Education Activity	Safety Officer*
Natural Power*	Social Media	Visit by a Gvmt Official
10 Messages Relayed*	Media Publicity*	Visit by Agency Rep
Message to SM*	Location in a Public Place	Youth participation
Satellite QSO's	Public Information Table*	W1AW Message*

Items with a * require proof submitted

Everyone of these items needs someone to make them happen and to create the documentation submitted to prove we did it and to submit all the information to the ARRL

(This is where the designated “PITA” goes to work)

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Field Day needs Support

Raise antennas and test them

Run coax

Set up the 3 radios, cables, …

Update Windows, install software, configure & network the laptops

Set up the tables and information

Test the generator

Provide and put out food and drinks; get ice

Then tear it all down, put it away and clean up

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So, how did we do?

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Summary

ARRL Field Day 2022
NA4DC

Entry received at: 2022-06-30 21:27:46 UTC

Submitted by: **Richard B. Joerger, WB4EHG** E-mail: wb4ehg@rjoerger.com

Call Used: **NA4DC** GOTA Station Call: **(NONE)** ARRL/RAC Section: **SFL** Class: **2A**

Participants: **35** Club/Group Name: **Davie/Cooper City Amateur Radio Club, Inc.**

Power Source(s): **Generator, Battery, Solar**

Power Multiplier: **2X**

Preliminary Total Score: 2,250

Bonus Points:

Bonus	Points	Status
100% emergency power	200	
Public location	100	
Public information table	100	Documented by NA4DC Public Info Table.png
Formal message to ARRL SM/SEC	100	Documented by NA4DC Message to Section Manager.PNG
W1AW Field Day message	100	Documented by NA4DC W1AW Bulletin.png
Formal messages handled (10 x 10, max of 100)	100	Documented by NA4DC Radiogram to 10 stations.png
Natural power QSOs completed	100	Documented by NA4DC Natural (Solar) Power Contacts.png
Site visit by invited served agency	100	
Educational activity	100	
Safety officer	100	Documented by NA4DC Safety Officer Checklist.png
Social media	100	
Entry submitted via web	50	
Total bonus points	**1,250**	

Score Summary - Cabrillo log/dupe sheet file: NA4DC.dup

	CW	Digital	Phone	Total
Total QSOs	40	36	348	
Total Points	80	72	348	**500**

Claimed Score = (QSO points x power mult) = **1,000**

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DCARC ARRL Field Day 2022 Statistics

Score Statistics

Total CW Contacts	40
Total Phone Contacts	348
Total DIG Contacts	36
Total QSO Points	500

These are the ARRL sections we worked.
Blue are worked, Brown are unworked.
We only missed AK, VT & WY for WAS

DX	3	5	7	0
DX	DE MDC	AR NTX	AK NV	CO MO
1	EPA WPA	LA OK	AZ OR	IA ND
CT RI	**4**	MS STX	EWA UT	KS NE
EMA VT	AL SC	NM WTX	ID WWA	MN SD
ME WMA	GA SFL	**6**	MT WY	**Canada**
NH	KY TN	EB SCV	**8**	AB NT
2	NC VA	LAX SDG	MI WV	BC ONE
ENY NNY	NFL VI	ORG SF	OH	GTA ONN
NLI SNJ	PR WCF	PAC SJV	**9**	MAR ONS
NNJ WNY		SB SV	IL WI	MB PE
			IN	NL QC
				SK

Total Contacts by Band and Mode:

Band	CW	Phone	Dig	Total	%
40	40	16	0	56	13
20	0	322	32	354	83
15	0	9	4	13	3
6	0	1	0	1	0
Total	40	348	36	424	100

Total Contacts by Country:

Country	Total	%
USA	399	94
Canada	16	4
Puerto Rico	5	1
Hawaii	3	1
Madeira Is.	1	0

Total = 5

Total Contacts by Operator:

Operator	Total	%
N4QV	300	71
KO4AZV	55	13
WB2RUU	40	9
K2AU	5	1
KM4DQM	5	1
WB4EHG	5	1
KO4VHB	4	1
KM4GCL	4	1
KO4VHB	4	1
KO4UZI	1	0
WB4BAG	1	0

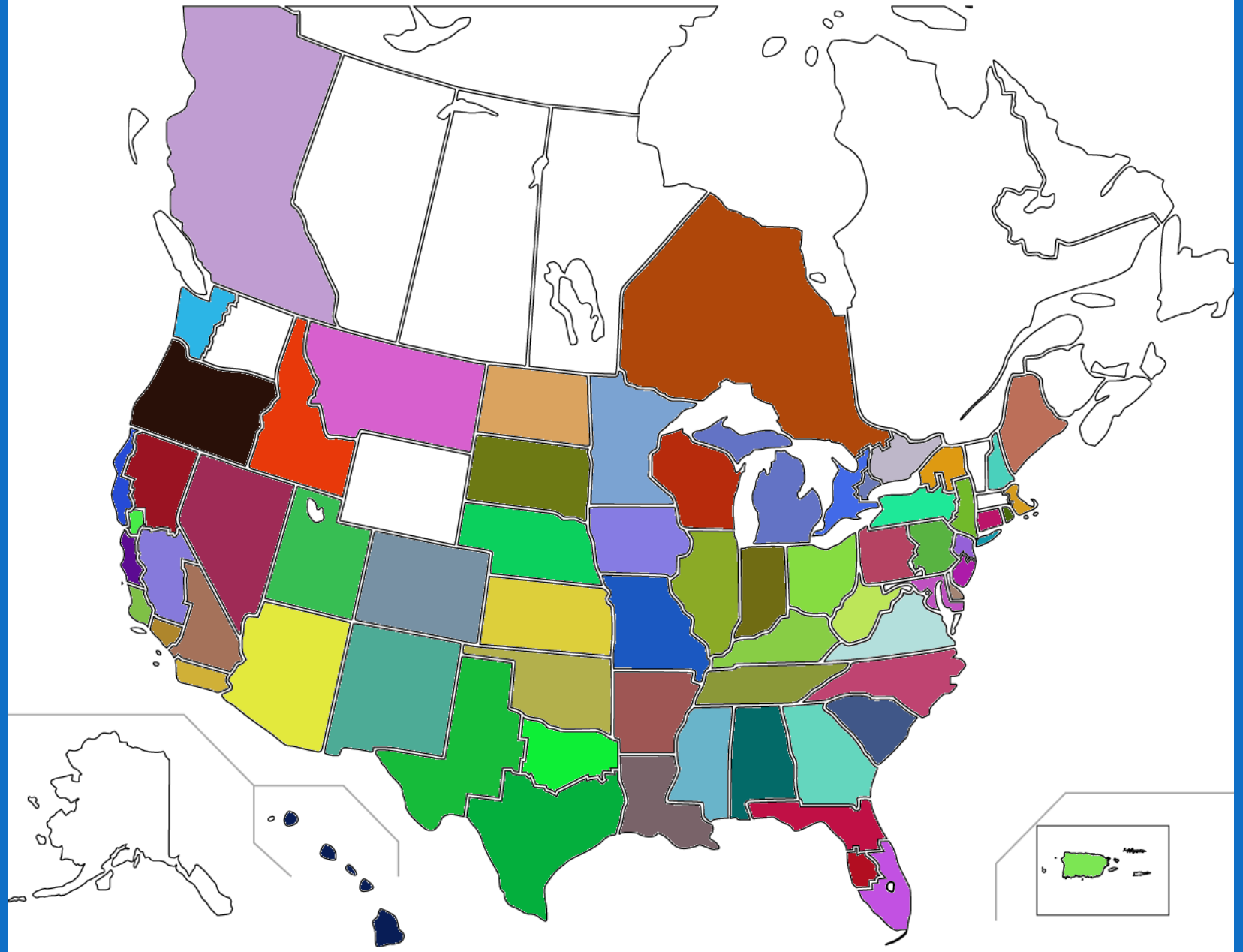
Total = 11

We only missed AK, VT, WY for WAS

We worked 4 countries:
Canada
Puerto Rico
Hawaii
Madeira Is.

DCARC ARRL Field Day 2022 Worked Section Map

Colored sections were worked



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Bonus Items	
Item	**Who is doing it**
100% Emergency Power	Existed
Alternate Power I.E. Solar	Existed
Messages Relayed	Fred WB4BAG Rich WB4EHG
Message to SM	Fred WB4BAG Rich WB4EHG
Satellite QSOs	Eddy KO4UZI Tony KB4UWU
W1AW Message	John W6BXQ
Educational Activity	Tony KD4UWU
Social Media (publicity)	Alain K4KKC
Media Publicity	Alain K4KKC
Location in a Public Place	Fred WB4BAG
Public Information table	Tom N4MEO
Safety Officer	Tom N4MEO
Site Visitation by an elected governmental official	Dan KO4SYU
Visit by Rep of Agency	Dan KO4SYU
Youth participation	Aman KO4AZV Cameron KO4VHB

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This is a Radiogram

This is what we mean when we say that we pass messages during a disaster:

There is a nation-wide traffic network in which messages are passed from local to state to regional to national to regional to state to local stations.

Many messages are predefined (IE ARL-50) only needing sender identification and destination addresses.

Using predefined messages increases the number of messages that can be sent

THE AMERICAN RADIO RELAY LEAG

RADIOGRAM

VIA AMATEUR RADIO

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
1	R	OPT	NA4DC	ARL 4	Davie, FL	OPT	2022-06-25

TO:

See list to the on sheet: Address for Radiograms

THIS RADIO MESSAGE WAS RECEIVED AT:

AMATEUR STATION: DATE:
NAME:
STREET ADDRESS:
CITY, STATE, ZIP:

TELEPHONE NUMBER:

ARL fifty X-Ray 73

SIG: NA4DC

	FROM	DATE	TIME		TO	DATE	TIME
REC'D				SENT			

A licensed Amateur Radio Operator, whose address is shown above, handled this message free of charge. As such messages are handled solely for the pleasure of operating, a "Ham" Operator can accept no compensation. A return message may be filed with the Ham delivering this message to you. Further information on Amateur Radio may be obtained from ARRL Headquarters, 225, Main Street, Newington, CT 06111.

The American Radio Relay League, Inc. is the National Membership Society of licensed radio amateurs and the publisher of QST Magazine. One of its functions is promotion of public service communication among Amateur Operators. To that end, The League has organized the National Traffic System for daily nationwide message handling.

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ARL-50 means: Greetings by Amateur Radio

Expect that we will do a presentation on this topic, possibly during a net

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This is the ARRL Field Day bulletin that W6BXQ copied via PSK, a digital mode similar to RTTY

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This is W1AW
ARLXØØ6 and ARLPØ25 follow

ZCZC AXØ6
QST de W1AW
Special Bulletin 6  ARLXØØ6
From ARRL Headquarters
Newington CT  June 24, 2Ø22
To all radio amateurs

SB SPCL ARL ARLXØØ6
AR sXØØ6 2Ø22 W1AW ¾eld Day Bulletin

What QTH will you be operating from during ARRL Field Day 2Ø22?

Whether you choose to operate from a local park, at home, mobile from your car or RV, or portable from a hilltop, Field
Day offers a variety of categories to fit your operating style.

If you wish to patticipate as part of a local club's Field Day operation, you can find a nearby club by using the online
ARRL Field Day Locator at, http://arrl.org/field-aay-locetor.

In 2Ø21, 26,698 participants enjoyed Field Day, with 5,979 individual entries being t ceived from clubs and individuals
in all 84 ARRL/RAC sections and from 13 DX entities.

Submitting your entry is a breeze when using the online entry form at field-day.arrl.org.

Don't forget to publicize your participation in the event, before, during, and after the event using social media,
perhaps even live streaming.

The deadline for entries is 2Ø59 UTC on Tuesday, July 26, 2Ø22.

Good luck and 73!
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KD4UWU Tony taught a class on satellite operation

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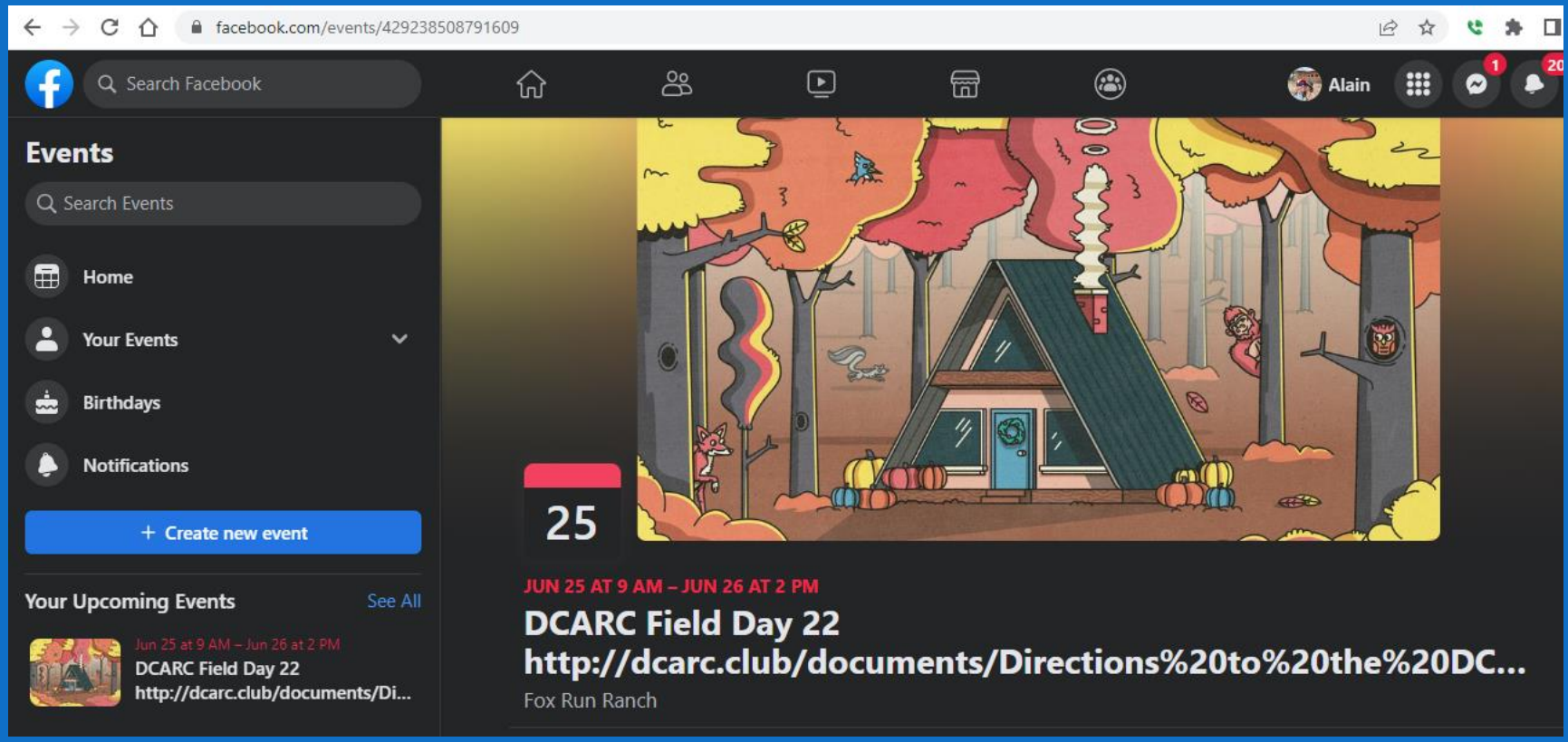
Satellite Contact Attempt

KO4UZI the Satellite
Attempting the contact

KD4UWU Pointing the
Satellite Antenna

Our Social Media Post thanks to Alain K4KKC



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Location in a Public Place

Public Information Table

Note the high quality paper holders

Safety Officer Check List:

ARRL Field Day Safety Officer Checklist

To qualify for the 100-point Safety Officer bonus (for Class A stations), a group must appoint a qualified person/s who are present at their site from the beginning of set-up until the end of break-down.

This form is NOT intended to be all inclusive.

The Safety Officer/s certify by submitting this form that due diligence was made to provide a safe operation.

[check (or circle) any/all that apply]

- ✓ **Safety Officer/s or qualified designated assistant/s was on site for the duration of the event.**
- ✓ **Fuel for generator properly stored.**
- ✓ **Fire extinguisher on hand and appropriately located.**
- ✓ **First Aid kit on hand.**
- ✓ **First Aid - CPR - AED versed else trained participant/s on site for full Field Day period.**
- ✓ **Access to NWS alerts to monitor for inclement weather.**
- N/A **Tent stakes properly installed and marked.**
- ✓ **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.**
- ✓ **Stations and equipment properly grounded.**
- ✓ **Access to a means to contact police/fire/rescue if needed.**
- ✓ **Safety Officer is designated point of contact for public safety officials.**
- ✓ **Minimize risks and control hazards to ensure no injuries to public.**
- ✓ **As necessary, monitoring participants for hydration and ensuring an adequate water supply is available.**

Thomas M Hayes N4MEO — signature(s) / call(s)

June 26, 2022 — date

Safety Officer
Tom N4MEO

These folks grabbed a mic or key or keyboard and pounded out contacts, sweating over a hot HF rig.

Operator	Total	%	
N4QV	300	71	(Randy)
KO4AZV	55	13	(Aman)
WB2RUU	40	9	(Neil)
KO4VHB	8	2	(Cameron)
K2AU	5	1	(Mark)
KM4DQM	5	1	(Al)
WB4EHG	5	1	(Rich)
KM4GCL	4	1	(Bonford)
KO4UZI	1	0	(Eddy)
WB4BAG	1	0	(Fred)

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Our governor issued a proclamation declaring this to be Amateur Radio Week in Florida

Unfortunately, we didn't get any points for this

RON DESANTIS
GOVERNOR

AMATEUR RADIO WEEK IN FLORIDA

WHEREAS, Amateur Radio operators are celebrating more than a century of broadcast over the airwaves; and

WHEREAS, Amateur Radio serves as an important bridge that fosters new relationships, builds friendships, and shares ideas across the world; and

WHEREAS, Amateur Radio operators have provided countless hours of community services to local organizations and during emergencies throughout these decades; and

WHEREAS, Florida recognizes the uncompensated services Amateur Radio operators provide to many emergency response organizations, including the State of Florida; and

WHEREAS, Amateur Radio operators assist the public by providing free radio communications for local parades, bike-a-thons, walk-a-thons, fairs, and other charitable public events; and

WHEREAS, the Florida Division of Emergency Management values the partnerships Amateur Radio operators have provided during hurricane season by allowing the state to maintain constant communications with impacted counties; and

WHEREAS, Amateur Radio Week in Florida is an opportunity to honor and recognize the valuable work of those operators who provide communication and disperse information to people across Florida and the world.

NOW, THEREFORE, I, Ron DeSantis, Governor of the State of Florida, do hereby extend greetings and best wishes to all observing the June 20 – 26, 2022, as *Amateur Radio Week in Florida*.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the Great Seal of the State of Florida to be affixed at Tallahassee, the Capital, this 17th day of June, in the year two thousand twenty-two.

Governor

THE CAPITOL
TALLAHASSEE, FLORIDA 32399 • (850) 717-9249

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Six Meter Station

During Field Day we can have a VHF/UHF station for “free”, it doesn’t count in our number of transmitters.

Unfortunately 6m was dead for the weekend

Here’s Randy N4QV making our one 6m contact

Since the 6m station was so far from the solar panels, we used the battery in one of Fred’s military trucks to power the station

Food!

Thanks to Diane KC4BAR
Fred WB4BAG
Tony W6TNY

People!

We had 35 people visit our site

Count	Name	Call Sign	Member Y	Activity
1	Abel Arrezaz	N/A	N	Guest
2	Akhil Agrawal	KO4WJF	Y	
3	Alex Arreaza	N/A	N	Youth - Guest
4	Alex Rivas	K4QBEI	Y	
5	Allen Perez	KO4TPZ	Y	
6	Aman Agrawal	KO4AZV	Y	Youth & operator
7	Barry Porter	KB1PA	N	American Red Cross, ARRL Field Instructor and Class Instructor
8	Bill Canady	KM4DQM	Y	
9	Bill Collins	KB4CY	y	
10	Bradley Canady	N/A	N	Guest
11	Cameron Ramos	KO4VHB	Y	Youth, operator
12	Carol Sjursen	KJ4AWB	N	Broward RACES
13	Dan Gallagher	KO4SYU	Y	
14	Ed Ramos	KO4UZI	Y	Satellite op
15	Fred Perkins	WB4BAG	Y	Event was at his QTH, 6m battery power, soda & water
16	Jacob McKaig	N4MCK	N	
17	Jeff Beals	WA4AW	N	Section Manager, American Red Cross
18	Jeff Stahl	K4BH	N	Broward e-Communications
19	Jorge Rueda	KO4IOL	Y	
20	Linda Gallagher	N/A	N	XYL Guest
21	Linda Schwartz	KO4ZPL	Y	Club member, new ham
22	Mark Horowitz	K2A4	Y	Operator
23	Matt McKaig	N3MCK	N	Guest
24	Marvara Agrawal	N/A	N	Guest
25	Myla Agrawal	N/A	N	Guest
26	Randy Shirley	N4QV	Y	Operator, President of SFDXA
27	Reed Talbert	KMYGCL	N	Palmetto ARC
28	Rich Joerger	WB4EHG	Y	Field Day manager, Setup / maintained laptops, networking, food and soda, PITA*
29	Rich Quick	W4RQ	Y	Antenna setup and tear down
30	Riley Deloach	N/A	N	Guest
31	Robert Liguon	KN4WII	N	Broward e-Communications
32	Shamin Mirza	N/A	N	Guest
33	Tom Hayes	N4MEO	Y	Information table, safety officer
34	Tony Facciolo	KD4UWU	Y	Satellite op and satellite education
35	Tony Gawel	W6TNY	Y	Worked on Wifi to site and provided food + cooked

NBR MEMBERS PARTICIPATED	20
NBR NON-MEMBERS ATTENDED	15
TOTAL	**35**

Rich Joerger
WB4EHG
2022/07/04

Our thanks to the following folks

W4RQ Raise antennas and test them

WB4EHG Set up the 3 radios, cables

WB4EHG Update Windows, install software, configure & network the laptops

N4MEO & WB4EHG Set up the tables, information, free flea

WB2RUU Test the generator

KC4BAR, WB4BAG, W6TNY food and drinks

W6TNY Cook and attempt to fix the Internet

KO4UZI & KD4UWU Satellite attempt

KD4UWU Educational activity

Clean up and put everything away

```
W4RQ  : Rich
WB4EHG: Rich
N4MEO : Tom
WB2RUU: Neil
KC4BAR: Diane
WB4BAG: Fred
W6TNY : Tony
KO4UZI: Eddy
KD4UWU: Tony
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If I missed anyone please let me know

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Thanks to everyone who made this a great Field Day!

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