

RARS Field Day 2024

General Membership Meeting Presentation - June 11, 2024

Field Day Co-Chairs
Curt Phillips, W4CP
David Burt, W4OFO

Agenda

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Why?

02



What?

03



**When &
Where?**

04



How?

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Details

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Participation

Why Field Day? Emergency Preparedness

- Hurricanes Irma and Maria hit Puerto Rico in 2017; Maria continued through Miami, Florida
- During Irma, 50 hams from the ARRL (CT) deployed to assist Red Cross
- Digital stations transmitted over 4,000 names from shelters to families in the United States
- In a single day, more than 500 health and welfare messages passed from Puerto Rico to the United States.



Health and Welfare Messages

- ARRL Radiogram form is used to collect messages
- Messages are passed through the ARRL National Traffic System
- Traffic is passed through Local, Section, Region, and Area nets
- Digital Relay Stations can also be used to pass messages between Sections, Regions, and Areas

ARRL — the national association for Amateur Radio™											
RADIOGRAM											
NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE				
TO				THIS RADIO MESSAGE WAS RECEIVED AT							
PHONE NUMBER E-MAIL				AMATEUR STATION _____		PHONE _____					
				NAME _____		E-MAIL _____					
				STREET _____							
				CITY, STATE, ZIP _____							

_____				_____							
_____				_____							
_____				_____							
_____				_____							
FROM			DATE	TIME	TO			DATE	TIME		
REC'D						SENT					
<small>This message was handled at no charge by a licensed Amateur Radio operator, whose address is shown in the box at right above. No compensation can be accepted by a "ham" operator. 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 or www.arrl.org.</small>					<small>The ARRL is the national association for Amateur Radio and the publisher of QST magazine. One of its functions is promotion of public service communication among Amateur Radio operators. To that end, the ARRL has organized the National Traffic System for daily nationwide message handling.</small>						

Irma - Message from Maine to Miami, FL

Sent September 10th

ROBERT AND MILDRED XXXXXXXXXX
XXX RICHMOND AVE S
LEHIGH ACRES FL 33936
NO PHONE
BT
ARL NINETEEN ADDRESSEE X MAY
BE AT LEHIGH SENIOR HIGH
SCHOOL SHELTER X FAMILY MEMBER
DEBORAH XXXXXX INQUIRING STATUS X
73
BT
CORY KU1U
OP NOTE PLEASE REPLY VIA KB1TCE NTSME 04854

Received September 13th

DEBORAH XXXXXX
C/O STEVE HANSEN KB1TCE
BT
WE ARE FINE IN OUR
OWN HOME WITH NO DAMAGE
X WENT TO A SHELTER
DURING THE HURRICANE
BT
ROBERT AND MILDRED

ARRL Message 19: Request health and welfare report on _____.
(State name, address and telephone number.)

What is Field Day?

- In the US and Canada, around 35,000 hams set up temporary stations and make as many contacts as they can in a 24-hour period as an emergency preparedness drill
- Social Gathering - Picnic
- Opportunity to build new skills, ask questions, and tryout different radios
- RARS Open House and Community Outreach
- Competition - Results published in QST December Issue
- FUN!!!



When and Where is RARS Field Day?

When:

Setup begins Friday June 21 at 10 AM

Saturday June 22 2:00 PM - Sunday June 23 2:00 PM

Where:

Raleigh Police Club
3500 Leonard Road
Knightdale, NC 27545



How Does Field Day Work?

- Class Category
 - Number of Stations in Operation
 - Type of Electrical Power Used
- Contact Points
 - 1 Point - Voice
 - 2 Points - CW or Digital
 - 5 Points - GOTA (Get on the Air)
- Point Multiplier
 - Amount of RF Power used by Stations
- Bonus Points
 - 50-100 Points per Bonus



Bonus Points Examples

- 100% Emergency Power
- Media Publicity
- Public Information Table
- Message Handling
- Satellite QSO (Contact)
- Alternative Power (5 Contacts)
- Copy W1AW Bulletin
- GOTA (Get On The Air) Coach
- Education Activity
- Social Media
- Safety Officer



GOTA (Get On the Air)

Eligibility - 5 Points per Contact

- Unlicensed
- Newly licensed (last 12 months)
- Any licensed that has been inactive
- ANY Novice or Tech licensed hams

Callsign Used: N4RAL



What Will RARS be Operating as this Year?

9A

Band Captains	Band
Bruce Sherman	80/15M Phone
John Brier	40M Phone
Andy Petterson	20M Phone
Akhil - NCSU Club VP	10M Phone
Brantley West	20M CW
Dale Pendleton / Bob Conder	40M CW
Marty Young	80/15M CW
Devin Hedge	15M Digital
James Marolda	20/40M Digital
Billy Janke	VHF / UHF
John Brier	Satellite Contact(s)
Fin Gold	40m GOTA (Get On The Air)

Antenna Types

- 20/15/10m Triband Yagis on AB-577 masts
- 80m and 40m Doublets
- 40m Double Bazooka
- 40M Dipoles
- VHF/UHF Yagis



Antenna Placement



Field Day Exchange Example QSO

Them - CQ Field Day CQ Field Day CQ Field Day

Them - Whiskey One Alpha Whiskey

Us - Whiskey Four Delta Whiskey

Them - Whiskey Four Delta Whisky

Them - 5 Alpha Charlie Tango

Us - QSL 5 Alpha Charlie Tango

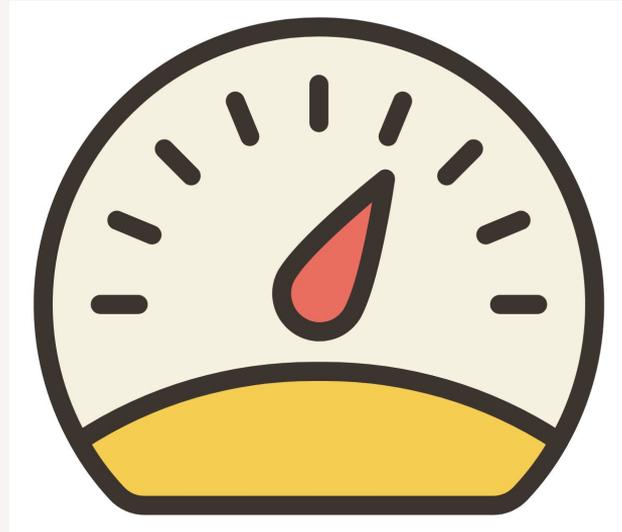
Us - 9 Alpha November Charlie

Them - QSL 9 Alpha November Charlie



Contesting Basics

- Keep Your Rate Up!
- What Not to Say
 - Please Copy
 - We Are
- Use Q-Signals
 - QSL QRZ QRT
- Don't Repeat
- Repeat when asked for fills



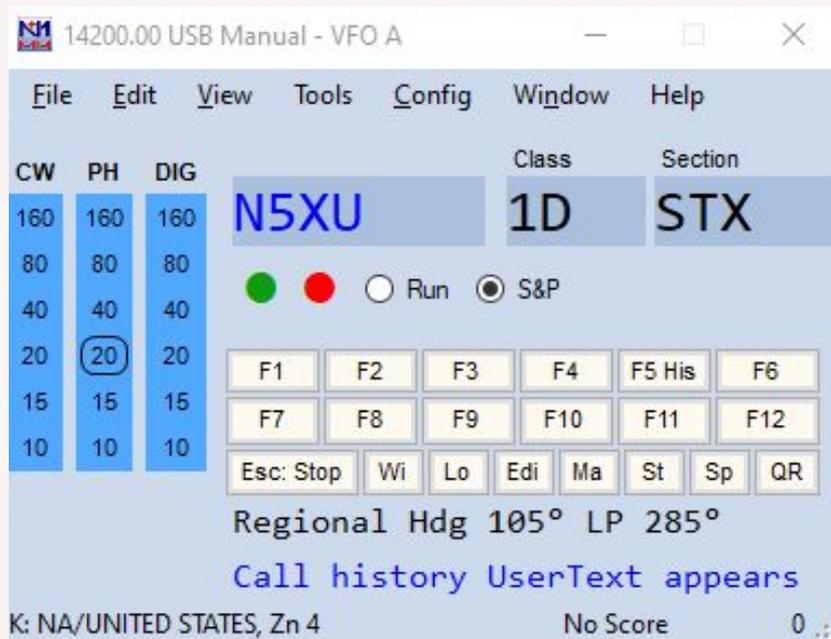
Making the Difficult Contacts

- Know and Use the NATO Alphabet
- Counting Up
- Tail Ending
- Alternative Phonetics
America, Dog Walker, North Carolina



Logging Contacts

- Computerized Logging - N1MM Logger +
- Change the operator when you start
Control-O
Enter your callsign
- ARRL section list will be at each Station
Some states have multiple sections



The screenshot shows the N1MM Logger software interface. The title bar reads "14200.00 USB Manual - VFO A". The menu bar includes File, Edit, View, Tools, Config, Window, and Help. A table displays contact logs with columns CW, PH, and DIG. The current call sign is N5XU, Class is 1D, and Section is STX. Control buttons for F1-F12, Esc: Stop, Wi, Lo, Edi, Ma, St, Sp, and QR are visible. The status bar shows "Regional Hdg 105° LP 285°", "Call history UserText appears", and "K: NA/UNITED STATES, Zn 4 No Score 0".

CW	PH	DIG
160	160	160
80	80	80
40	40	40
20	20	20
15	15	15
10	10	10

Class: 1D Section: STX

Run S&P

F1 F2 F3 F4 F5 His F6
F7 F8 F9 F10 F11 F12
Esc: Stop Wi Lo Edi Ma St Sp QR

Regional Hdg 105° LP 285°
Call history UserText appears

K: NA/UNITED STATES, Zn 4 No Score 0

Logistics

- Where to Park
- Snacks and Drinks
- Bathrooms



How has RARS Performed in the Past?

2023	6A	5th	2015	9A	1st
2022	5A	12th	2014	8A	5th
2021	6A	2nd	2013	6A	5th
2019	8A	3rd	2012	9A	1st
2018	7A	6th	2011	9A	1st
2017	8A	3rd	2010	8A	1st
2016	6A	12th			



How Can I Participate?

- Setup Friday 10:00 AM
- Take Down Sunday 2:00 PM
- Sign Up on Operator Schedule



SignUpGenius



RARS Discord



2024 Field Day Task Owners

Akhil - NCSU Club VP	Dave Buster
Andy Petterson	David Burt
Billy Janke	Dennis Keith
Bob Conder	Devin Hedge
Bob Starkenburg	Fin Gold
Brantley West	James Marolda
Bruce Sherman	John Brier
Carl Davis	Marty Young
Curt Phillips	Richard Kroeger
Dale Pendleton	54 Total Tasks



Questions?

