

Port City Amateur Radio Club

October 1 , 2025

PortCityARC@groups.io

www.W1WQM.org

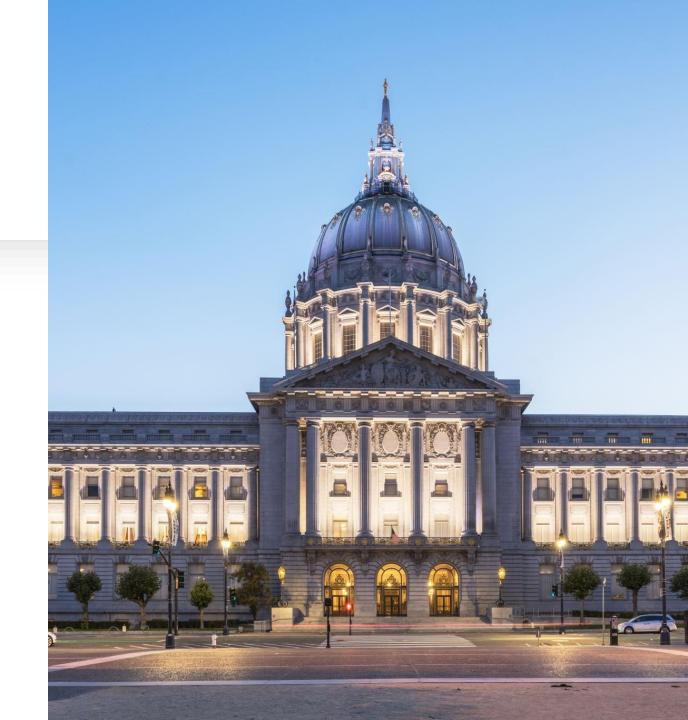
Sunday 10 AM Seacoast Net – 3895 kHz

Sunday 7 PM 2 M Net – W1WQM Repeater



Officers & Members Introduction

- Mark K1RX President, Trustee NM1JY
- Thom K1TKT Vice President
- Bonnie N1IIM Treasurer
- Mark KC1UKO Secretary
- Ken N1RP Trustee, W1WQM
- NEW MEMBERS
- Around the room introductions with your:
 - Name
 - Call
 - Home Location
 - Club Office Held (if any)



Coming Up Tonight

- Donor funded Dinner Thanks!
- Treasurer's Report
- Old Business
- New Business
- Club Calendar
- Announcements
- Lightning Rounds NHQP Admin, QRP
- Intermission 50/50 Tickets on Sale!
- Lightning Rounds Contest Calendar, Web Site, POTA/NHQP
- Tonight's Topics WRTC 2026, ARES
- 50/50 Drawing
- Motion to Adjourn



Old Business

Flea Market Leadership

HamStudy

By Laws Change – Increase Board membership to 4

Nominations, Vote





New Business

WRTC 2026 Support

Any NEW Business?

Coming Up Soon – Club Calendar

- VE Test session October 4
- ARES October 9 Kensington Repeater 19:00

ARES October 15 – In person at Clubhouse 19:00

ARES October 16 – Kensington Repeater 19:00

November 1 – NH ARES SET

• Lab Night – Oct 29 - TBD

Public Service Opportunities

Announcements

- DXpeditions K1RX at II9P in CQ WW SSB Oct.25-26
- Member License Upgrades
- Planned POTA events

Lightning Rounds

NHQP - N1RP

QRP - K1RID

Upcoming Contests – KC1UKO

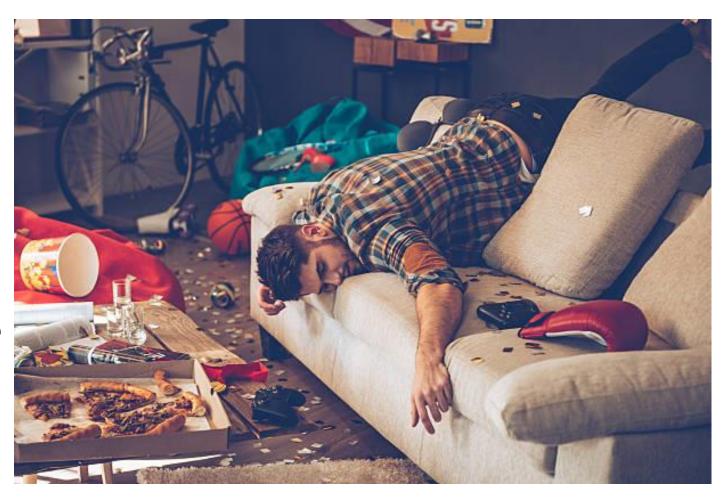
Web Site Updates – AJ1D

POTA/NHQP - K1TKT

Lightning Round – NH QSO Party Administration – N1RP

The Party's over, now it's time to clean up this mess....

And as the sponsors, we get to do the cleaning



NH QSO Party Administration – what went well



Online submission of Cabrillo file worked as planned

- Logs saved on W1WQM.ORG (>110)
- File created to record each log submitted



Confirmation emails sent to log file submitter

- May end up in Junk/Spam folder
 - Submitter notified of this when log is submitted



Python program to extract data from Cabrillo files



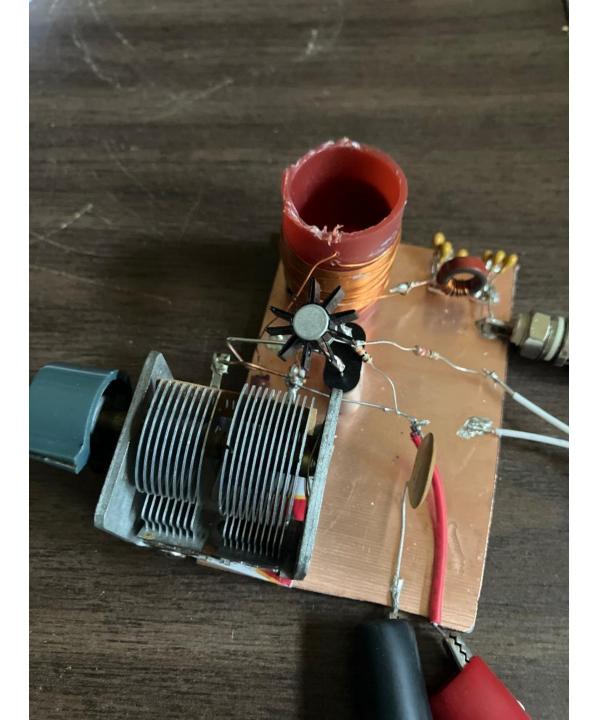
More participation from PCARC club members

NH QSO Party Administration - Challenges

- Logging software must calculate "Claimed Score" properly
 - Points awarded by number/type of contacts, number of counties, states, and DX
 - Latest versions of N1MM+ were updated (≥1.01.10896)
- Other logging software used likely won't have "Claimed Score" calculated properly
 - Older versions of N1MM+ (<1.01.10896)
 - WA7BNM Web2Cabrillo 1.14
 - World Radio League v1.0
 - N3FJP's NEQP Contest Log (Out of Region) 4.3.8
 - WriteLog V12.71C
 - RUMlogNG (5.19.5) by DL2RUM
 - GenLog v8.52
- Logs still being submitted to email address used previously

NH QSO Party – to do list – can you help?

- Reconcile all Claimed Scores
- Rank scores by categories (~24 categories)
 - Fixed Single Op, Multi Single, Multi Multi
 - Portable Single Op, Multi Single, Multi Multi
 - Mobile Single Op, Multi Single
 - High/Low/QRP Power for each of these
 - In state / Out of State for each of these
- Determine winners for each category for each State/Province/DX
- Issue award certificates
- Continue to update web sites to remove previous email address used for submission
 - Generate auto-reply email with information on new submission process
- Rules could provide guidance on:
 - 'Approved' logging software
 - FT8 usage



Lightning Round

QRP & CW Cheap Fun

by Ed, K1RID k1rid@yahoo.com c: 978.771.6537

QRP: SOTA & CW

I choose ≤5W to sharpen my skills, focus on Antennas & Efficiency, work portable and because I'm cheap.

<u>Antennas – The Science & Magic</u>

- Simple wires
- Easy to experiment
- Build for efficiency



CW - Efficient & Affordable

- Get on the air for cheap
- Lots of helpful CW ops
- SOTA/POTA



Payoff: low power, simple gear, big fun—POTA, SOTA & /P



@RetroPlanet.com

Lightning Round - October Contests – KC1UKO

STATE QSO Parties

- Nevada QSO Party Oct 11 03Z to 21Z Oct 12
- Arizona QSO Party Oct 11 15Z to 05Z Oct 12
- Penn. QSO Party Oct 11 16Z to 04Z Oct 12 and 13Z to 22Z Oct 12
 - South Dakota QSO Party Oct 11 18Z to 18Z Oct 12
 - New York QSO Party Oct 18 14Z to 02Z Oct 19
 - Worked All Germany Oct 18 14Z to 02Z Oct 19
 - Illinois QSO Party Oct 19 17Z to 01Z Oct 20
 - Major WW Contests
 - CQ WW SSB Oct 25-26 00Z to 2359Z

Plus many others. Checkout <u>www.contestcalendar.com</u> for more information.

Lightning Round -Website Updates – AJ1D

- Public Member Roster to be published Sunday
 - To opt out email web@w1wqm.org with your call sign and subject line: Member list opt out
- Home page updated so the main content is the list of news entries.
 - Entries will be added as members provide content.
 - Club events, lab nights, news, projects you want to highlight.
- Looking for volunteers to be involved with the website.
 - Primarily content authors. Have ideas, let's talk.

web@w1wqm.org

Lightning Round - POTA + NHQP - K1TKT

Goals

POTA Ops/portable in all 10 counties

 Leverage POTA interest to increase NH QP QSOs

Have fun

Results

- POTA: GRA, COO, CHE, HIL
- Portable: SUL, GRA, MER, BEL,
- Other: ROC, STR
- Achievement: 9/10
- Observation: most qsos were driven by POTA with few wanting county exchange
- Achievement: Hell, yeah

General Observations

- If your goal is to maximize NHQP score, then POTA ops does not help.
- Comments received are early indication that outside of the state, many may not have recognized that POTA Operaters were participating in NHQP.
 - "CQ POTA AND NHQP {CALL}"
 - Spotting software if not using N1MM logger or no internet access?
- Park open hours curtail NHQP operating hours.
- Experimental beta test of POLO was a fail. Problem has been corrected will try again next year.











- Critical Success Factors for Maximum Joy –
- >Bring a friend (make him carry stuff)
- >Do it (easy)
- >Enjoy it (Look up, see the park, relish the pile ups, invite kids to try the radio)

Main Topic 1 of 2 WRTC 2026 Update

Mark Pride, K1RX
NA Fundraiser Lead

Team: N5OT, KY7M, K9CT, KO8SCA

Introduction

- Overview of WRTC 2026
- Brief History, Format and Mission
- Key Achievements
 - Site Selection & HQ Established
 - Initial Testing Completed
 - Sites
 - WRL Data Stream
- Need Your Help!



Brief History & Mission

World Radiosport Team Championship



- Celebrating the 10th WRTC Started in 1990
- All with Volunteers Organizing Committee, Site setup, Rules,
 Standardized Equipment Acquisition, Logistics, IT
 - Over 500 volunteers at each event has been typical
 - A "Once-in-a-Lifetime" Experience
- Described as the "Olympics of Radiosport" (Amateur Radio Contesting) Occurs every 4 years

Past WRTC Country Metal Winners (partial list)



- 2022* Italy
 - Gold Ukraine
 - Silver Germany
 - Bronze Croatia
- 2018 Germany
 - Gold Lithuania
 - Silver Germany
 - Bronze USA

- 2014 Boston, USA
 - Gold USA
 - Silver Slovakia
 - Bronze Germany
- 2010 Russia
 - Gold Russia
 - Silver Estonia
 - Bronze USA

^{*} Actual 2023 Pandemic

Basic Format



- WRTC is a radio contest event, designed to provide a platform for high-achieving ham radio contesters to compete on a level playing field in the same geographic region using identical antennas, output power, subject to the same radio propagation
- Think Field Day off grid and every station is the same
- Selection Process 3+ year qualification period
 - If you operated any of the 15 recognized contests, you are in the running
 - Over 6000 calls found & Results captured find your call on the WRTC2026 web site https://www.wrtc2026.org/qualification-standings/

Basic Format



Rules and Selections set by Host Country – Metal Awards Gold,
 Silver, Bronze plus special awards

- Participants: Team Leader, Team Mate, Referee, Judges
 - Team brings their own radio equipment
- Unique Call Signs for event
- 40+ countries represented

Our Mission



- Publicize Radiosport World Wide
 - Inside and outside of amateur radio
 - An aspect of our multi faceted hobby that brings everything together "Ultimate Gaming"
 - Multi Tasking Logging, Propagation, Internet data, antenna and equipment performance, strategic and tactical planning
- Select International locations to promote broader experiences participants, spectators

Our Mission



- Promote advances in technology
 - Teams operating skill and cooperation
 - Scoring, Logging, Real time data collection
 - Spectator viewing and education
 - Encourage growth with youth and young adults
 - Expand interest in under-represented regions

The perennial question: How do we find identical locations?





I'll level with you – I truly love Britain's flat landscapes



Norfolk shouldn't play down how flat it is, says our writer. Halvergate Marshes in the Broads pictured. Photograph: Loop Images/Alamy

Terrestrial studies, Google maps, Topo maps

Found It! 15,000 acres of farmland







Typical Site Layout Site Separation – No closer than 500 M





Support Team

Generator

Competitors, Referee

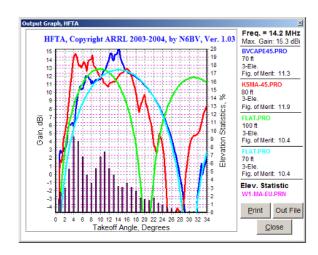
Antennas 80-10 M

90 Minute setup time

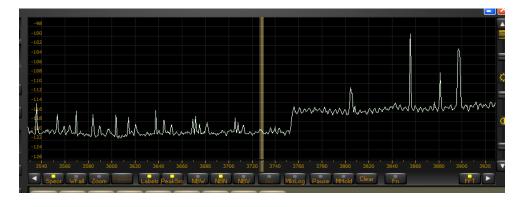
Picture source : M0DXR, G4BUO

How do we verify Suitability of Site?

- HFTA or similar tools to verify terrain in key directions
- SDR plot & recording to look for noise
 - Short term
 - 24 hour survey
 - Levels set for open bands
- Minimum Acceptable 4G data throughput or greater







Site testing



- Representative stations set up for testing during the IARU Contest in July 2025 using the official antennas (5 stations)
- Train the Trainer site setup, antenna installation, generator
- Signal reports from the Reverse Beacon Network (RBN) used to help verify that the sites perform equally well (Data collected)
- Logs from the testing made public so competitors can begin to develop their operating strategy
- Any sites that are "too loud" or "too weak" or that have noise will not be used

UPDATE Summary (as of October 1, 2025)

- All Qualifying events complete
- Test event completed July IARU HF Championship 2025
- Invitation Letters to Team Leaders now sent 48 of 50 Team Leaders accepted, Awaiting Confirmations– Official List announced soon, Referee's now selected.
- Local UK Schools Invitation Wed/Fri (Pre/Post) education event
- Two HQ stations will also support YOTA team and Spectators
- Live Streaming Continuous reporting (24 hours)
- NEW Brochure Describes entire event https://www.wrtc2026.org/hq-info-and-itinerary/



IT Platform World Radio League

WRTC 2026

- WRL are providers of the platform to collect QSO data from all 50 stations
- NEW Live Commentaries during operating period (24 hours) planned
- Live stats and comparisons are planned to be available by viewing this online
- E Sports feel is entertainment objective
- WRL completed logger interface (all popular logging programs)

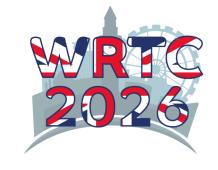




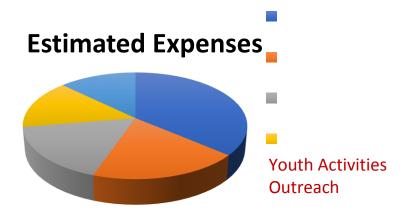
Current Challenges

- Budget Items Funding Needs
- Financial Gap
- Challenge Running out of Time
 - Less than a year to go!





Budget



Cost

Equipment for sites

Tents, Generator, Antennas, Mast

Accommodation*

HQ Hotel –Organization, Competitors,

Referees, Judges

Transportation

Organization – Administration

Unforeseen Items*

TOTAL BUDGET

Financing

Individual Donations

Radio Clubs

Tent Sponsorships

Sponsored Teams

Corporate sponsors

Resale of equipment

Others

*Financial Gap

Assolderbeam San

What can you do from here? July 8-14, 2026



- Better than watching on TV "audience participation"
- Our Olympics has a world wide impact sets a high goal for new and experienced contesters
- Creates a level of motivation unequaled anywhere for anyone interested in contesting
 - Watch the Opening and Closing Ceremonies
 - Work the WRTC stations during the contest
 - Support your favorite team
 - Performance monitoring in real time and comparison with other competitors via WRL live stream
 - FIRST TIME Live commentary, Interviews, Competitor's Stories
- For the serious contester it's a lifetime achievement goal

At this distance, you can still be apart of the action!

Call to action



- Join us in making a difference
- Am asking for your donation Today!
 - As an Individual, Club, Tent Sponsorship

Your Donation supports logistics, facilities, lodging, procurement of materials, live streaming, support youth development, helps establish the highest level of operator skill, supports the host country post event goals – *Help us close the gap!*

Leading up to the event....

WRTC UK Supporter Coin Program Don't forget to get yours now on www.wrtc2026.org/donate/

2025 Silver Coin







Tent Sponsorship





An individual, group of individuals, In Memorial or clubs can sponsor a tent for \$1500

Only 10 tents of 50 remaining

Banners of sponsors shown at the actual operating site and on the website! An excellent way to share and show support

Go to https://www.wrtc2026.org/sponsors/tent-sponsors/ are still available!

Typical Club Donation Levels



- Larger size clubs \$1000
- Mid size, small clubs \$500

- Clubs or Groups that wish to do more
 - Tent Sponsorships \$1500
 - Benefits: Web Publicity, Banner at Tent Location
 - Club Budget Consideration: Occurs Once Every 4 years!

World Wide Radio Operators Foundation

WRTC 2026

- Key partner Manage funds
- Handle Donations over \$1000
- IRS-recognized 501(c)(3) organization
- Checks, credit cards, and PayPal are all accepted. See wwrof.org
- Donor-Advised Fund
- Hold funds for the next WRTC





Main Topic 2 of 2 - ARES – KC1ILT



Amateur Radio Emergency Service



When All Else Fails®

47 CFR 97.1(a)

Recognition and enhancement of the value of the amateur service to the public as a voluntary noncommercial communication service, particularly with respect to providing emergency communications.

ARES

An ARRL program offering the public and its partners trained, federally licensed operators who are skilled in a wide range of effective emergency/disaster communications techniques and who are committed to supporting our partners' missions in service to the public.

ARES Mission Statement:

ARES strives to be an effective partner in emergency/disaster response, providing the citizenry and public service/safety partners with communications expertise, situational awareness, and capabilities of professional communicators.

ARRL/ ARES SERVED AGENCIES & PARTNERS

- +American Red Cross
- +Association of Public-Safety Communications Officials-International (APCO-International)
- + Boy Scouts of America
- +Citizen Corps (Department of Homeland Security)
- +Civil Air Patrol (CAP)
- +Federal Emergency Management Agency (FEMA)
- + National Volunteer Organizations Active in Disaster (NVOAD)
- +REACT International Inc.
- + Salvation Army & SATERN
- + SKYWARN (National Weather Service)
- + Society of Broadcast Engineers (SBE)
- +United States Power Squadrons
- +Quarter Century Wireless Association, Inc.
- + SAFECOM

ARES membership consists of:

Amateur radio operators who voluntarily registered their qualifications and equipment with their local ARES leadership

And a willingness to use their skills and equipment to provide voluntary communications during emergencies

ARES members are NOT first responders!

Nationally ARES is broken down into sections based on the ARRL sections

Here in new England that's:

Connecticut- CT
Eastern MA- EMA
Maine- ME
New Hampshire- NH
Rhode Island- RI
Vermont- VT
Western MA- WMA

NH ARES SECTION LEADERSHIP

NH ARES Section leadership consists of:

Section Manager

Section Emergency Coordinator

Section Assistant Emergency Coordinators

Section Traffic Manager

Public Information Officer

Section Net Manager



NH ARES GROUP LEADERSHIP

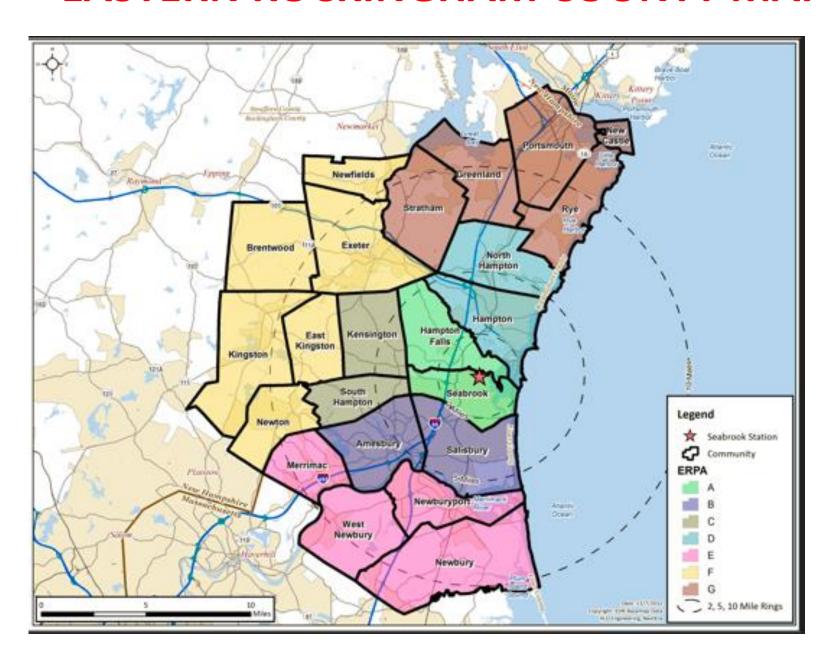
Emergency Coordinator (EC)
Appointed by the Section Emergency Coordinator to oversee each group.

Assistant Emergency Coordinators as needed to assist the EC in organizing groups' activities and training.

Eastern Rockingham County Communities

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Brentwood - East Kingston — Exeter — Greenland — Hampton
Hampton Falls — Kensington — Kingston — Newcastle
Newfields - Newington — Newmarket — Newton
Newton Junction - North Hampton — Portsmouth
Rye — Seabrook - South Hampton - Stratham
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EASTERN ROCKINGHAM COUNTY MAP



EASTERN ROCKINGHAM COUNTY ARES

65 registered members12 actively participatingOver 90 hours of participation in September

Monthly Training

- Test of state C&C & EOC radios
- Third Wednesday In-person Training Weekly Training Nets
- Remaining Thursdays on Kensington or Northwood Repeaters

WHAT DO WE DO

Pass Tactical & Formal Messages

Simple??



ARRL — the national association for Amateur Radio™

RADIOGRAM



NUMBER	PRECEDENCE	НХ	STATION OF ORIGIN	CHECK	PLA	ICE OF ORIGIN	TIME FILED	DATE			
TO					THIS F	RADIO MESSAGE WAS F	RECEIVED AT				
				AMATEUR	STATION		PHONE				
				NAME			E-MAIL				
PHONE NUME	RED			STREET _							
E-MAIL	JEH .			CITY, STAT	CITY, STATE, ZIP						
FR	ОМ		DATE	TIME	TO		DATE	TIME			
REC'D					SENT						
This message whose address by a "ham" ope	was handled at no cha is shown in the box at rator. A return messag	rge by t right a te may l	a licensed Amateur Radio ope bove. No compensation can be be filed with the "ham" delivering teur Radio may be obtained from	rator, e accepted ng this	The ARRL is the r magazine. One of	national association for Ar its functions is promotion perators. To that end, the	mateur Radio and the po of public service comm	ublisher of QST nunication among			

ICS-213 RADIO MESSAGE

Number	Precedence	Handling	ng Station of Ch Origin		Place of Origin		Time Filed	Date Filed		
3	ROUTINE		KC1ILT		YORK ME		1900L	OCT 24		
1. Incident	t Name: EAST ROC	K ARES								
2. To: EAST ROCK ARES ICS Position:										
3. From: 5	STEVE KC1ILT				Position:					
4. Subject	: NH ARES SET	5	. Date: OCT 24			6: Time:	1900L			
7. Messag	ge: (One word per li	ne)								
	NH	ARES		5	HOLI	DING	TH	<u>EIR</u> 5		
	SET	ON	NO	/ 2		x		CONTACT 10		
	KC1ILT	AT	EASTRO	OCKEC	ATSIGN		GM	AIL 15		
	DOT	COM	T(TO SIGNUP			20			
								25		
								30		
								35		
								40		
					<u> </u>			45		
8. Approv	ed by: STEVE KC1	ILT			ICS Position:					

300b Status Report - Seabrook Station

Julia Status Report - Seattrook	Station							
1. SBOC Report No.: 4		2. Prepared By: Dan Marphy		3. Date 3. Time Finded, 0686/0632 13:33:43				
6. Seadocoli Station has declared a(n)		S. The Finel Status is:		E. A saddagast release size to this event: b. has accorded and is continuing				
4. Beneral Emergency of Willhours; Du	HIS ERL MOT	ls. Shall Down						
7. Present Elleternings of Conditions		R. Extended Weather Function.						
a. Wind Speed Brigh		Some slouds, wind is from TS degr	Some clouds, wind in from TE degrees at 8 mph. Euromobits Pressure is 30.88 and steady, with a					
b. Wind Direction (Forn) Tiblegores		probability of precipitation of 9%. To	probability of precipitation of ES. Today's high immerature 52 F with a low of 26 F					
8. The State Energency Operations Center (SECC N AC	10. The Emergency Operations Facility (DOF) N	11. The busined Field Citize (FD) oc				
4. Pull Arthretion		a. staffed		a. staffed				
13. The Joint Information Center (JEC) is: b. staffed	13. The BECK has serveurs of a Seatment Status of b Stressishatetts of a Marie	alled with:						
16. The Governor declared a State of 10.	Astivate the State Transportation	16. Authors Reception Device(s) Tes						
Energency: Six	ging Area (STSA):	✓ a. Daver Middle School ✓ s. Rochester Middle School						
b. Yes: an 040962022 Sr.	Yes	✓ In Manufester Memorial High Subscit	d. Other:					
17. These has been a change in the precoud	teranj or protective action recommen	nderions.	16. a Street to be	e sourcied at 1260				
b. Yes			b. BAS to be initiated at 1243					

19. The following Pressultonary/Protestive Autions are recommended:

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b. Hampion Falls ^a			*	*	*	*	*			3	*	*	
s. Kamaington ⁴						-					-		
st. South Hampton [©]			÷	*	*	,	*			٠	,		
n Hamptor ⁽²⁾	-					~	~				~		
f. North Hampton ²					*	-				3	-		
p. Erectrone ²						~					~		
h. East Kingstorf				*	3	*				3	4	3	
i. Eineles ^F	¥			*	٠	*	*			3	٠	١	
j. New Nobio ²				*	*	*	*			3	*	*	
h. Newton ^F	¥			٠	١	,	*			١	١	١	
l. Kingdor ^F											-	*	
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	à	Name
r	h	As Follows
	٠	Close EWIII pairs, recreational areas, and becames in EPZ.
	٠	2. Recommend close LGCSL paths, recreation areas, and becames in EFZ
	v	3. Exhibition 10-mile States Safety Zone around Septemb. Status
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 b. Shelter Livesbook as possible

T. Disning Water Advancey S. Diberi

9. Dillesi

21. Additional Information:

MO1: Problemed less of all offsite and all smalls AC power is energiesty leases AMS Residuation of all basis one AC energiesty less in less than 6 lesses is not likely. OR Circ Coaling (C) CSF RED entry something next

NHDOT will incident the Perturnath/Practices Bridge and techniques to Hampton River Bridge. Governor has approved the mateer of latis for evenualism purposes.

For startisation purposes, an Emergency Sestandian has been requested from PEMA. PERA Region 1 MAT has actived in NR.

How Do We Do It?

TRAINING ACTIVITIES

Passing Voice Messages

- NTS Radiogram
- ICS213 Radio Message Form
- Seabrook 300B Reporting Form

Passing Digital Messages

NBEMS (Fldigi Software)

A typical NH ARES station consists of:

- 2 Meter VHF Radio
- Dual Band HT or Mobile (preferred)
- Backup Power Source (Generator, Battery/ Solar)

Additional Equipment:

Computer & Soundcard

- NBEMS (Fldigi)
- WinLink Radio Email
- APRS (future plans)

HF Radio

NVIS Antenna



Eastern Rockingham County ARES Frequencies

Primary- Kensington Repeater 145.150 - 127.3

Backup- Northwood Repeater 146.700 - 88.5

2m Simplex Backup 147.465

2m Simplex NBEMS 145.550

NH ARES Frequencies

HF Digital Primary 3.582 +/- USB

Saturday 0730 NBEMS Default mode: Thor 22

HF Digital Alternate 7.068 USB Default mode: Thor 22

H.F. SSB 75m 3.976 +/- LSB

Saturday 0830 Primary Section Net freq.

H.F. SSB 40m 7.276 +/- LSB

Alternate Section Net freq.

2m FM Simplex Primary 147.5102m FM Simplex NBEMS Primary 145.5702m FM Simplex/NBEMS Alternate Backup 145.510

EAST ROCK ACTIVITIES

Seabrook Drills

Monthly EOC Command & Control Radio Tests

Monthly EOC Simplex Tests

NH ARES Annual Simulated Emergency Test (SET)

Field Day (Not a Contest!)

Hospital Support Program

Public Service Events





NH ARES

www.nh-ares.org

Eastern Rockingham County ARES
EOC Simplex Net

First Thursday 147.465 @ 1900

Voice & Digital Net, Kensington Repeater

Thursdays Except 1st @ 1900

In-person Meeting, PCARC Clubhouse

3rd Wednesday @1900

www.w1roc.org

Steve- KC1ILT eastrockec@gmail.com

