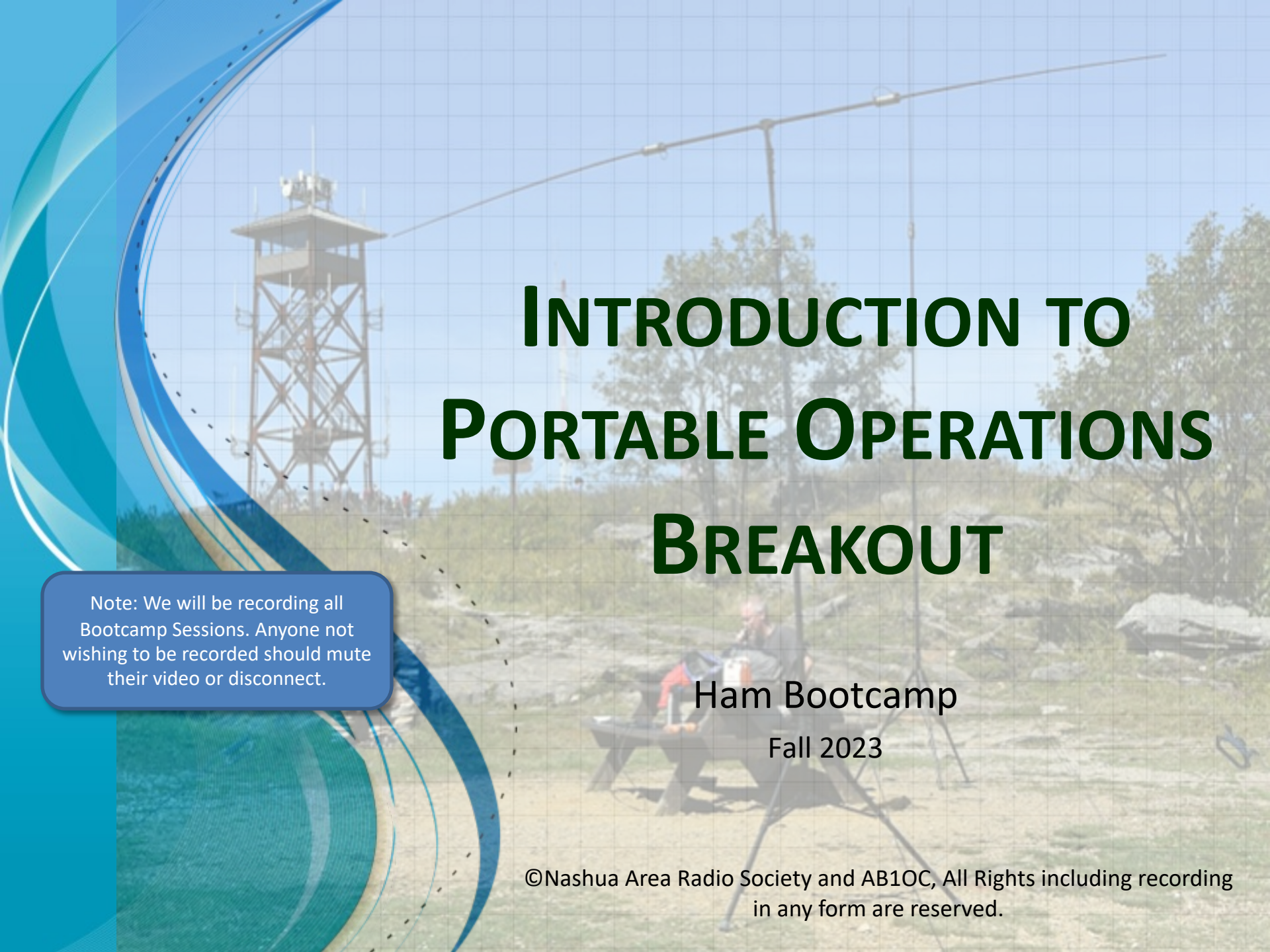


The background of the slide features a photograph of a radio tower on the left and a person sitting on a bench in the foreground, operating a radio. The scene is outdoors with trees and a clear sky. A blue and white decorative graphic is on the left side of the slide.

INTRODUCTION TO PORTABLE OPERATIONS BREAKOUT

Note: We will be recording all Bootcamp Sessions. Anyone not wishing to be recorded should mute their video or disconnect.

Ham Bootcamp

Fall 2023

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It All Started Here... for me

Thank you, Aron W1AKI!



ARRL National Parks on the Air

LoTW User Name:

LoTW Password:

Log In

Home

Leader Board

Honor Roll

On the Air

NPS Lookup

NPS Units

NPOTA Stats

Welcome to ARRL's National Parks on the Air Event!

Find out more about ARRL's [National Parks on the Air Event](#).

View [registered activations](#) within the next ten days.

How Results are Generated

Leader board results and certificate eligibility shown on this website for ARRL's National Parks on the Air event are based on individuals' confirmed contacts uploaded to Logbook of the World (LoTW).

You can use this website to access the following information.

- Leader Board** - See who has the most activator and chaser confirmed contacts.

If you are logged in using your LoTW log in credentials, your position will be the first record on the activator and chaser leader boards. If you're logged in and your call sign does not appear at the top of a leader board, you do not have any confirmed records of this type. The results are updated daily based on QSOs entered into Logbook of the World.
- Honor Roll** - See who is on the honor roll.

If you're logged in using your LoTW log in credentials, your call sign will be at the top of the honor roll leader board. If you're logged in and your call sign does not appear at the top of the leader board, you have not made the honor roll. The results are updated daily based on QSOs entered into Logbook of the World.
- On the Air** - View registered activations within the next ten (10) days. A list of all upcoming listed activations is also available.
- NPS Lookup** - Enter an on the air code to view details about the corresponding National Park Service Unit.
- NPS Units** - View a list of all National Park Service units, on the air codes, locations and sensitivity warnings. Links to individual units on the National Park Service website are also included.

Log in above using your Logbook of the World user name and password and you'll be able to view these additional tabs.

- Units Worked** - See how many units you've worked as a chaser and as an activator.



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AMATEUR RADIO®

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What is Portable Operation and Why Do It?

Make nature your shack!

- Portable is a great way to enjoy the outdoors
- It's also a great way to get others involved in the hobby
- Hiking, Camping, Road Trips can all include portable operations!
- BE PREPARED for curious people to ask questions!
- Many Award Programs!
- It's FUN!!



Portable Operating Awards Programs

- Summits on the Air (SOTA)
 - Mountain Topping different peaks for points
- Parks on the Air (POTA)
 - Many parks are on this list and is very, very popular
- Islands on the Air (IOTA)
 - Another opportunity to collect awards while on islands of all sizes!
- Grid Squares
 - Travel to obscure grid squares and watch the pile ups!
- Counties
 - This is a great one to activate when operating mobile!



Portable Operating Awards Programs

Make nature your shack!

Help/Getting Started | **Downloads/Links** | **Awards** | **QSO Database** | **QSO Spots** | **Shop** | **Contact Us**

New to the program? Check out **Help/Getting Started** in the menu above for rules and guides for participating.

[Click here](#) for details about other countries we are adding to the parks database.

Also Welcome to Mike Maciel CUNY at the new Portuguese POTA Administrator!

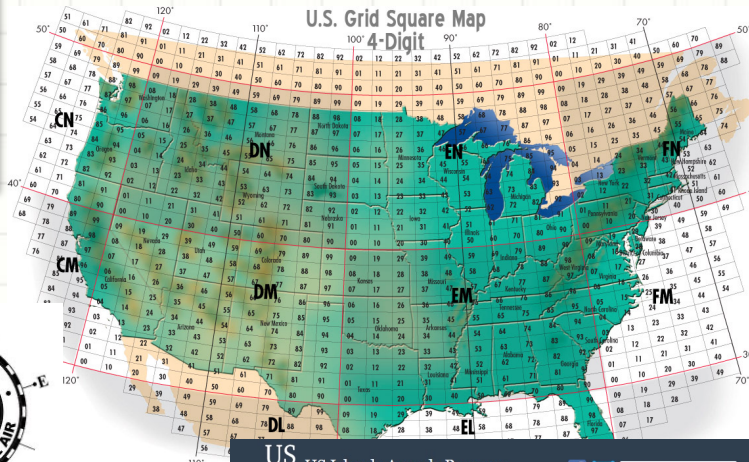
Parks on the Air (SM)

Welcome to the **Parks on the Air (SM)** (POTA) program for portable amateur radio operators that promotes green, sustainable and conservation education from national and state parks and parks.

COVID-19 Information:
No additional equipment needed!
For guidelines, please visit our website at home - then visit better World Wide Flora & Fauna (WWFF) website for more information on the program.

Support Parks on the Air
Please consider making contributions to the WWFF program for portable amateur radio operators that promotes green, sustainable and conservation education from national and state parks and parks.

Join Now!



US Islands Awards Program

HOME | ABOUT | RULES | FAQ | AWARDS | ISLAND DIRECTORY | CALENDAR | QSO PARTY | PHOTOS | BLOG | LINKS | DLS



Welcome to Summits on the Air!

SOTA is an award scheme for radio amateurs that encourages portable operation in mountainous areas.

Quick links: [Joining In!](#) | [SOTAwatch](#) | [Database](#) | [Summit Listings](#) | [Shop](#) | [Mapping](#)

New to SOTA?

SOTA has been carefully designed to make participation possible for all Radio Amateurs and Shortwave Listeners - this is not just for mountaineers! There are awards for activities (those who ascend to the summit) and chasers (who other operators from home, a local hilltop or even Activators on other summits).

See the 'Joining In!' section of the website for lots of information, advice, rules, guidelines and our FAQs.

Latest SOTA Spots

12 42	DEJUPP	on	DEJ3-528	14,320 kHz
12 42	MOLEPP	on	MOLE-019	18,015 kHz
12 41	MOLEPP	on	MOLE-002	148,400 kHz
12 41	DLHBEVFP	on	DLHBEV-788	6,360 kHz
12 36	HBBEVP	on	HBBE-008	14,063 kHz
12 35	DORHU	on	DMHE-002	10,115 kHz
12 35	DNFORVLP	on	DNFORV-528	3,440 kHz
12 33	HBBEVP	on	HBBE-008	7,168 kHz
12 32	DLHBEVFP	on	DLHBEV-048	10,125 kHz
12 32	DLHBEVFP	on	DMBEV-263	14,320 kHz

>>> See more on [SOTAwatch](#)

World Wide Flora & Fauna in amateur radio

Make nature your shack!



Welcome - 2020 ~ our 26th year



World Wide Flora & Fauna in Amateur Radio

SERVICE ANNOUNCEMENT

Migration to the new server is now complete... There will, undoubtedly, be some teething issues, so please bear with us.

"MAKE NATURE YOUR SHACK!"

WWFF, World Wide Flora and Fauna in Amateur Radio, is encouraging to leave your shack and go outside portable operating in Protected Flora/Fauna areas (PFF) all over the world.

More than 24,000 Protected Flora/Fauna (PFF) areas, world wide are already registered in our **WWFF Directory**. Hunters and Activators can apply for colorful awards, globally and national.

Online WWFF resources:

Radio Society of Great Britain
Advancing amateur radio since 1913

You are logged out. [Logout](#)

Your Services • On the air • Membership • Shop • Publications & archive • FAQs • Beginners • Search •

IOTA Programme

IOTA—an activity programme for the intrepid traveller and the armchair explorer

Islands have always excited the imagination. They evoke a sense of mystique and romance in those of us who live in crowded cities and commute on busy roads. For the radio amateur, contacting islands encourages the imagination to run riot with visions of a remote station set up, perhaps, on a tropical beach among palm trees or, for the daring, a rocky Antarctic island in a blizzard at -40 degrees C. This, surely, is what amateur radio is all about!

In 1964 a British Short Wave Listener, Geoff Watts (now sadly a Silent Key) started an activity programme based on contacting island groups around the world. Geoff was not a wealthy man and had little opportunity to travel himself, but it is clear that listening to amateurs operating from remote island locations captured his imagination. Thus the Islands on the Air (IOTA) programme was born.

Geoff realised that there were far too many individual islands to chase, so he focused on recognised groups of islands such as the Laccadives in the Indian Ocean, the Bahamas and the Galapagos. These three are, of course, recognised as DXCC entities, but how

In this section

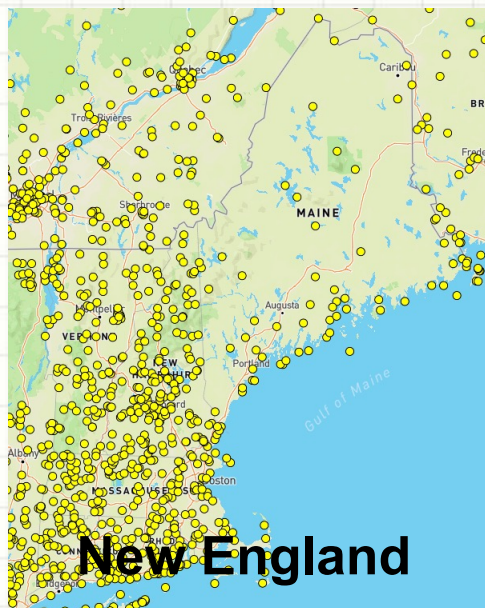
- Operating
- Operating Guidelines
- DX Code of Conduct
- Operating Advisory Service
- Awards
- HF awards
- VHF/UHF awards
- Youth award
- Recent RSGB award recipients
- IOTA Programme
- Band Plans and Information
- Beacons & Repeaters
- Emergency communications
- HF Expedition Fund
- Licensing, Nov's & Visitors
- Live DX Cluster
- Live solar data
- Morse
- Planning matters
- QSL Bureau
- Propagation predictions
- WebSDR receivers

We are Very Lucky in New England!

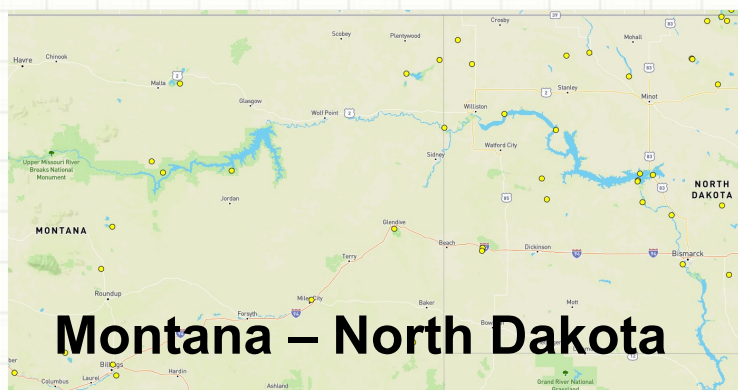
- **1099 Peaks that available for SOTA activations**
 - **Mount Champlain on Isle Au Haut on the coast of Maine**
 - **541 feet**
 - **Mount Washington, New Hampshire**
 - **6,288 feet**
- **POTA has too many parks to count!**
- **US Islands Award Program has 232 Islands that qualify**
 - **Maine – 100**
 - **New Hampshire – 19**
 - **Vermont – 19**
 - **Massachusetts – 39**
 - **Rhode Island – 35**
 - **Connecticut - 20**



Parks on the Air - POTA



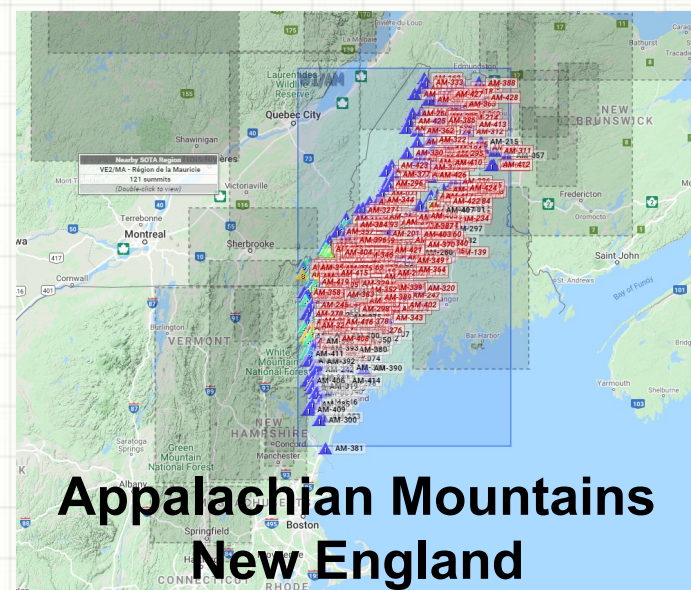
New England



Montana – North Dakota



Summits on the Air - SOTA



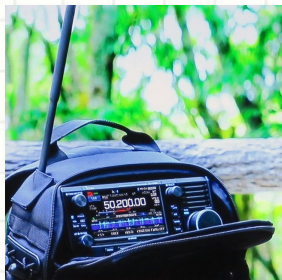
**Appalachian Mountains
New England**



Iowa

Portable Operations

What do I need to get started?



Buddipole

- Check out the website of the various programs and pick one to activate
 - Make sure you have your information correct before heading out
 - i.e., P,S,I-OTA Identifier
 - Many are 2-fers or 3-fers!
- Check your equipment
 - HF or VHF/UHF radio
 - Batteries
 - Antenna
 - Coax
 - Logbook
 - CW paddle/key or mic

Typical Set Up for Portable Operations

Local Park or Drive-Up Camping Spot

- IC-7300/Yaesu FT-991 or 100 W transceiver
- Portable Gas Generator or Car Battery
- Buddipole/Small Yagi/Wire Antenna
- Laptop for Logging



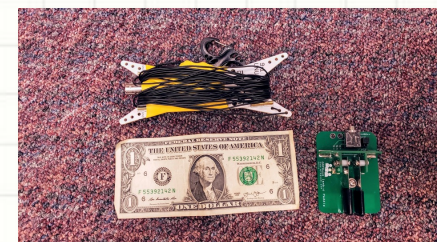
Powerfilms Solar Panel

Summit or Hike In Camping Spot

- Elecraft KX2/3, Xiegu G90, Yaesu FT-817/8
- Small LiFePO4 Battery and optional Solar Panel for longer operating
- Wire Antenna, Home-Brew Hex Beam, Etc.
- Laptop, Tablet, Phone or Paper for logging
- Size and Weight are important!



Buddipole



Portable Operations

You don't need a lot of fancy, expensive equipment to get involved

- Join a club activity
 - Many clubs do portable activations as a club and members are usually more than happy to share equipment
- Go with another ham
- Get going with SOTA
 - All you need is an HT!
 - A tape measure Yagi will improve your luck and is inexpensive



Portable Operations are Fun!



Useful Links

Summits on the Air

- Home Page <https://www.sota.org.uk/>
- General Rules <https://www.sota.org.uk/Joining-In/General-Rules>
- SOTA Summits <https://summits.sota.org.uk/>
- SOTA Maps of Summits <https://www.sotamaps.org/>
- SOTA Watch <https://sotawatch.sota.org.uk/>
- SOTA Database <https://www.sotadata.org.uk/en/>

Parks on the Air

- Home Page <https://parksonteair.com/>
- Active Spots <https://pota.us/#/>
- Upcoming Activations <https://pota.us/#/activations>

US Islands Award Program

- Home Page <https://usislands.org/>
- Rules <https://usislands.org/rules-and-program-information/>
- Island Directory <https://usislands.org/island-directory/>

Islands on the Air

- Home Page <https://www.iota-world.org/>
- IOTA DX Spots <https://www.iota-world.org/iotamaps/>
- IOTA Groups and Islands <https://www.iota-world.org/islands-on-the-air/iota-groups-islands.html>



Questions?

To Learn More:

Check out the Nashua Area Radio Society's Tech Night Program at:

n1fd.org/tech-night

Become an Internet Subscriber (or members of NARS):

n1fd.org/join-us

Much more information, pictures and video are available on our Blog at:

stationproject.blog





**Please Now Leave this Breakout Room which should
return you to the Main Room for the Ham Bootcamp**

Wrap-up!

***Please Be Sure to Leave the Breakout Room and NOT
the Meeting***