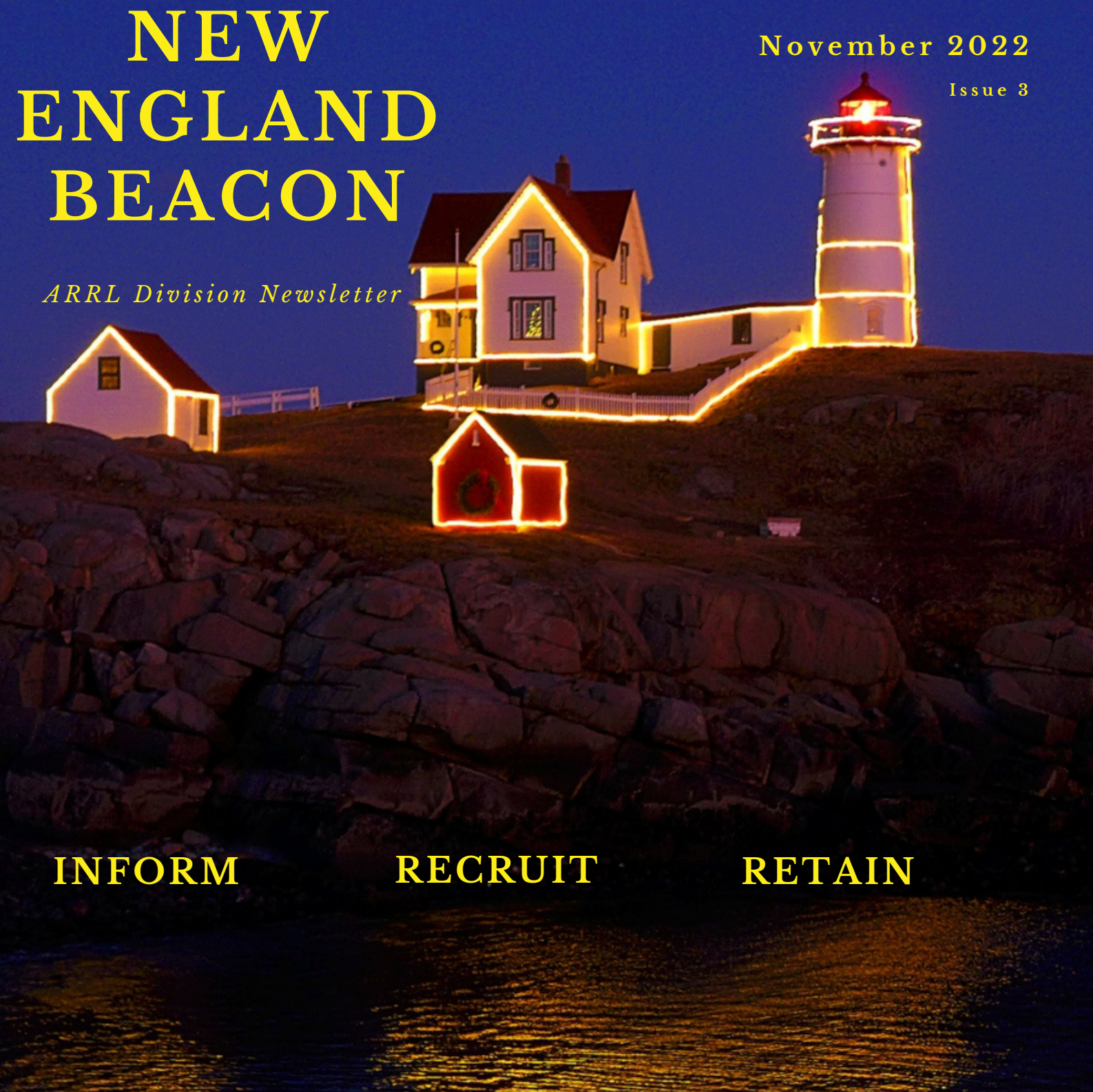


NEW ENGLAND BEACON

November 2022

Issue 3

ARRL Division Newsletter



INFORM

RECRUIT

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DIRECTOR'S UPDATE FOR 3Q-2022

by Fred Kemmerer, AB1OC, New England Director

Fall has gone by very quickly for me. I have been busy with ARRL Board work, New England Division projects, attending Ham Fests, Mentoring and Licensing work, and a 6m Antenna Project. I am pleased to report good progress on all fronts. Here's more about what I've been up to.

BIG E Space Chat



BIG E SPACE CHAT STUDENTS AND SPEAKERS

New England school students made live radio contact with an astronaut on the International Space Station from The BIG E on September 27th. You can view a video of the contact below. This and other videos made by folks who attend Space Chat were viewed more than 3,000 times by people worldwide.

The “BIG E Space Chat” is part of a project to promote Science, Technology, Engineering, and Math (STEM) educational activities and Amateur Radio learning activities for young people. We brokered the creation of this project through a partnership between The BIG E, New England Sci-Tech (a STEM education group in New England), Amateur Radio on the International Space Station (ARISS), and Black Helicopter Creative LLC.

We received quite a bit of television and newspaper coverage for our contact as well. Here’s an example of some of the TV coverage that aired on New England stations –

In addition to inspiring the young people who participated in Space Chat, we were able to help to make the public aware of the value that Amateur Radio brings to young people. I want to thank the many folks here in New England and the great people at the BIG E for making this project possible.

You can *learn more about the BIG E Space Chat project here.*

Club Grants



Mike Walters, W8ZY, and I worked with a team to select and award the first round of grants as part of the ARRL Foundation Club Grant program. We received a total of 128 grant applications totaling over \$1.7M! We awarded a total of \$270K to 24 Radio Clubs in the United States.

ARRL Club Grant Program at a glance:

- Clubs do not need to be ARRL-affiliated clubs to submit proposals
- Looking to fund projects that create significant impact beyond the applying club: transformative impact on Amateur Radio; create public awareness and support for Amateur Radio; educational and training impact.
- Examples of projects include, but are not limited to: get-on-the-air projects; ham training and skills development through mentoring; STEM and STEAM learning through Amateur Radio; station resources for use by the ham community; emergency communications and public service projects that emphasize training; club revitalization projects.

The second round of grants will be awarded early in 2023.

Board Projects and Meetings


National Traffic System 2.0 Project

I'm also leading a subcommittee within the Emergency Communications and Field Service Committee that is working on a plan to create the next generation of the National Traffic System (NTS). We are in the process of holding a series of briefings for Traffic Handlers across all ARRL divisions on the NTS 2.0 project. The briefings will be completed in December. We have signed up a total of 35 volunteers to help us work through the details of implementing the NTS 2.0 program. We are planning a kickoff meeting for the volunteers and I expect that the Implementation Teams will begin their work by the end of this year.

The ARRL has initiated a routine Traffic Origination program as part of NTS 2.0. The first messages were sent in October to all Section Managers, STMs, Directors, Vice Directors, the ARRL CEO, President, and first and second Vice Presidents.

ARRL Routine Traffic Origination

A program to support NTS 2.0 deployment



- The ARRL will routinely originate traffic as part of our NTS 2.0 program
 - Traffic will consist of information and reports for general interest to the traffic community
 - This traffic will be sent periodically – first round was sent in October 2022
 - At least one quarter of this traffic will be sent using the ICS213 format to exercise this aspect of the NTS 2.0 plan
- The traffic will be originated by the Director of Emergency Mgmt. or their designee
 - The traffic will be originated using a mix of Digital, Phone, and CW formats and will be transported via RF-based transmissions
 - Traffic will be injected into the NTS from different sections to spread the workload and practice opportunities
 - Messages will be sent to all ARRL STMs, Section Managers, Vice Directors, Directors, the CEO, the President, and the First and Second VPs
 - The traffic may be handled and relayed using all available NTS 2.0 modes including CW, Phone, and digital methods
 - Final delivery methods may include Internet-based email as well as other delivery methods, but traffic should traverse the NTS via RF until it reaches its destination
 - We will ask the delivering Traffic Handler confirm delivery to the recipient
 - Confirmations will be sent back through the NTS to measure system performance

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NTS 2.0 PROJECT – ARRL ROUTINE TRAFFIC ORIGATION

The purpose of this program is to provide information about our work on the NTS 2.0 program as it rolls out and to measure the performance of the National Traffic System.

ARRL Club Development Webinar Series

Mike Walters, W8ZY, Steve Goodgame, K5ATA, and I are working on a program to create a series of webinars for clubs to help them develop skills and solve problems. This webinar series will kick off in 2023 and will feature presentations by ARRL members on the following topics.

Club Development – What's Needed?

Topics and sequence for webinars



- Leadership development training
- How to operate efficiently and correctly – dues collections, accounting, reporting, etc.
- Recruiting members for your club
- Creating licensing, mentoring, training, and skills development programs
- Creating engaging activities for their members and public (likely multiple webinars)
- Publicizing club projects and activities
- Approaches to creating and maintain a modern website and internet presence
- Advice and tools to modernize club governance
- Fundraising – thinking beyond dues
- Administering a club station and/or callsign

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ARRL CLUB DEVELOPMENT WEBINAR SERIES

Please get in touch with Mike Walters at mwalters@arrl.org if you are interested in helping us to produce content for the new Club Webinar Series.

Additional Board Committee Work

My work as chair of an Administration and Finance Subcommittee that is looking at ways to grow ARRL membership and increase active participation in Amateur Radio is nearly complete. The subcommittee will be sharing our final recommendations with the Administration and Finance Committee later this year and with the ARRL Board in January.

Finally, I have been serving as one of the ARRL Board members on the newly formed Investment Management Committee. The Investment Management Committee provides oversight of ARRL's external investment manager and advises ARRL's Administration and Finance Committee and the Board of Directors on investment policies and portfolio management. We have been working on procedures and processes that govern our oversight work with our outside investment manager.

Assistant Director Teams

Our Division Assistant Directors have all held several meetings with their working groups this quarter. In addition, the Spectrum Protection team has received a generous grant from ARDC to equip RFI Teams in each New England Section with direction-finding radios and antennas to enable them to assist Hams across New England in resolving interference problems. Our Assistant Directors and their working group areas follow –

- Cory Golob, KUIU – Assistant Director, Emergency Communications and Public Service Activities
- Rob Leiden, K1UI – Assistant Director, Spectrum Protection and Use
- Anita Kemmerer, AB1QB – Assistant Director, Mentoring and Ham Development
- Dan Norman, N0HF – Assistant Director, Youth Outreach and STEM Learning

Each team has projects underway that will benefit hams across New England. This newsletter features articles about what our Assistant Directors are doing.

Communications, Club Meetings, and Hamfests

We continued with our work to improve communications this quarter. There are three parts to our activities in this area:

- Quarterly Division Cabinet Meetings with Club Presidents, Section Managers, Field Staff Members, and other leaders
- Triannual (every 4 months) Division Town Hall Meetings with all ARRL Members in New England
- Frequent attendance at Club Meetings (at least 6 times a quarter for each New England Division leadership team member)

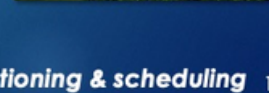
We held our third Town Hall Meeting on October 19th. We provided an update on ARRL and New England Division activities and answered questions from the folks who attended. You can see what was discussed, including a recording of the event, [here](#). We are planning to hold our next Town Hall Meeting in February 2023. We held an ARRL Forum at Fall NEAR-Fest in Deerfield, NH, where we updated folks on ARRL and New England Division projects and answered questions. We joined Peter Stohrer K1PJS at NEAR-Fest to talk with folks and answer questions. Our next Cabinet Meeting is scheduled for Saturday, December 17th. We are inviting members of the HQ Staff to these meetings so that they can share information on what they are doing and receive feedback directly from division leaders.

Here's a summary of the many events and communications activities that we've participated in and hosted this year –

NE Division Communications



- **Cabinet Meetings** – three held this year, **next one in December 2022**
- **Town Hall Meetings** - three held in 2022, **expect the next one in February 2023**
- **Third Division Newsletter** planned for November; Division Website updated daily
- **Club Meeting Attendance**
 - Director, Vice Director, and Asst. Director to attend at least 6 Club Meetings per quarter each
- **Hamfests** – Plans for Hamfests and ARRL Forums
 - ✓ HamCation in Orlando, FL – February 10th – 12th
 - ✓ HAM-CON in VT – February 26th
 - ✓ Maine State Convention in ME – April 1st and 2nd
 - ✓ Spring NEAR-Fest in NH – April 29th and 30th
 - ✓ Dayton Hamvention May 20th – 22nd
 - ✓ HamXposition in MA – August 26th, 27th, and 28th
 - ✓ Candlewood ARA Hamfest – September 11th
 - ✓ BIG E Exposition in MA – September 16th – October 2nd
 - ✓ Nutmeg Hamfest, CT State Convention – October 9th
 - ✓ Fall NEAR-Fest in NH – October 14th – 15th
- **Important: please register your Hamfest for ARRL sanctioning & scheduling** 10



NEW ENGLAND DIVISION 2022 EVENTS & COMMUNICATIONS

The New England Division Team has been attending club meetings to stay in touch with what clubs are doing and to hear feedback and concerns from folks. We each try to attend at least six club meetings every quarter. If you'd like one of us to visit your club's meeting, don't hesitate to contact me at abloc@arrl.org.

ABIOC Amateur Radio Activities

I've been working on an upgrade to the 6m antenna system at our QTH. The project consists of adding a total of 12 new 6m antennas along with tower-mounted preamplifiers. We are putting up three fixed stacks of 3-element Loop Fed Array (LFA) yagis and a new 7-element LFA yagi on our main tower. The project is just being completed, and I have been making Meteor Scatter contacts on 6m with the new antennas. You can read more about the project [here](#).



US WEST STACK OF LFA YAGIS & LARGE LFA YAGI ON MAST

I hope to see you soon at a Hamfest, Club Meeting, Town Hall Meeting, Cabinet Meeting, or some other event in the near future.

All the Best, and 73,

Fred Kemmerer, AB1OC
ARRL New England Division Director
Email: abloc@arrl.org

VICE DIRECTOR UPDATE

by Phil Temples, K9HI

It's been a busy couple of months for me as ARRL New England Vice Director. In addition to sitting on the ARISS (Amateur Radio on the International Space Station) and HF Band Planning Committees, I spent a lot of time fulfilling the role of webmaster for the New England Division website at <https://nediv.arrl.org>.



I am also participating in Fred's "NTS 2.0" initiative, a subcommittee established by the Board's Emergency Communications and Field Services Committee. He has named me to head up the "Updated Access and Delivery Methods" group under the subcommittee. Fred will have more to report on this initiative in the near future.

In early August, I acquired another committee appointment: President Rick Roderick asked if I would serve as the board liaison to the ARRL Amateur Radio Direction Finding (ARDF) Committee. I was only too happy to respond to the call. I am active in fox hunting locally. Plus, as a (much) younger person, I participated in orienteering while enrolled in the ROTC program in college. It was great fun getting outside with map and compass and navigating through the woods to find small, hidden caches.

Nearly every amateur knows what fox hunting is, but many may not know the distinction between fox hunting and ARDF. The former is generally done on VHF and UHF frequencies. Fox hunts are held informally, and may or may not be competitive or timed events. ARDF, on the other hand, is highly competitive. It is considered an organized sport in much of the world. Regional, national, and international ARDF competitions are held annually. ARDF involves navigating on foot through wooded areas and finding a series of low power, hidden 80-meter transmitters that send a signal at precise intervals. The sport requires orienteering skills, such as using a map and compass. Depending on terrain, the quickest way to a transmitter isn't necessarily a straight line!

One of my first acts as liaison was organizing a meeting online to introduce myself to the two committee co-chairs, Gerald Boyd, WB8WZK, and Charles Scharlau, NZØI. From that conversation I learned of the group's "wish list" and how I might further the goals of the sport.

Re-branding appears to be at the top of the committee's list. Going forward, the ARDF community in the United States wishes to be known as "Radio Orienteering."

The Committee feels that the sport will be better popularized with this new nomenclature—especially among non-hams who are active in orienteering. It voted overwhelmingly in favor of the name change. As such, I arranged for the IT staff at Headquarters to create two new links pointing to the ARDF page:

<<http://www.arrl.org/radio-orienteering>> and

<<http://www.arrl.org/ro>>. Barring any objections, President Roderick will officially rename the committee to "Radio Orienteering" at the January, 2023 Board of Directors meeting.

Last month, the two co-chairs and I met with Becky Schoenfeld, WIBXY, Director of Publications and Editorial Department at ARRL Headquarters. Schoenfeld was very receptive to the idea of the RO Committee authoring a series of articles for both the League's beginner journal, *On The Air*, and *QST*, to explain and popularize the sport.

Gerry, Charles and I also met with ARRL Learning and Education Manager Steve Goodgame, K5ATA. The committee leaders see great potential in having Steve introduce Radio Orienteering into the ARRL Teachers Institute curriculum so that teachers might find ways to incorporate the sport into their respective STEM programs.

Finally, we have entered into discussions with Headquarters staff to possibly resell radio orienteering equipment in the ARRL Online Bookstore. If inventory could be stocked in Newington, Connecticut, the 80-meter transmitter kits and other items can be much more readily available to newcomers interested in joining the sport. For additional information about Radio Orienteering, visit

<<http://www.arrl.org/radio-orienteering>> or

<http://en.wikipedia.org/wiki/Amateur_Radio_Direction_Finding>.

ASSISTANT DIRECTOR UPDATES

Rob Leiden, K1UI, Assistant Director for Spectrum Utilization & Protection

The Future of Multi-media in New England

Starting in early 2022, I became aware of how wide-spread mesh networks were becoming in New England and the potential of these high-speed, multi-media capable facilities to serve several important amateur radio activities. These networks, operating above 900 MHz, allow radio amateurs to support served agencies like fire departments and hospitals in emergencies and offer the multi-media capability that these partners are familiar with using commercial internets. In addition to their use for emergencies:

- clubs use high speed mesh networks as a training tool to attract young hams interested in a career in networking and electronics.
- Partnerships between NEDECN DMR repeater operators and mesh network operators are providing fail-over capability on loss of the commercial internet preventing repeaters from becoming isolated from one another should the commercial path be interrupted by natural disaster or cyber-attack.
- Remote camera and spectrum monitoring of repeater sites becomes possible, enhancing site security and allowing early detection of encroachment by other co-located services.
- Repeater high sites above the tree line permit longer-range hops between mesh nodes.

With the recent loss of 3 GHz to underscore the importance of using these frequencies above 900 MHz and the very real threat to our frequencies at 5 GHz and 10 GHz by commercial interests, the expansion of our mesh capabilities serves amateur radio, our public service partners and our educational mission while utilizing a valuable part of the spectrum.

There remains a very important question to be answered: How far should we go to promote mesh network interconnection throughout New England? The benefit of widespread interconnection lies in our ability to stay connected with the entire New England ham community in support of our partners following a natural disaster or cyber-attack. There remain many questions however regarding how such network interconnections would be managed and controlled and where the resources would come

from to accomplish this. An intermediate step has already been taken with the commercial network tunneling between mesh networks in NH, ME and one node in CT. Further connections will help provide wider network experience in advance of going “off-grid” and I encourage all to continue this approach.

To those who would like to get started, there are lots of folks willing to help and the equipment has become relatively inexpensive. If at all curious, please contact me and I’ll put you in touch with the mesh-experienced folks nearest you. Some links to these network owners can also be found at <https://nediv.arrl.org/spectrum-protection-utilization>.

RFI Team Project

At the recent Division Town Meeting, I presented the status of the RFI team project and the plan for the future. The first half year of 2022 saw the development of a prototype web-based process (see <https://nediv.arrl.org/rfi-troubleshooting-guide/>) and the formation of RFI teams in each section. The second half of 2022 is focused on procuring team equipment as approved in the successful \$23.6K ARDC grant and deploying the equipment with training for the teams. The plan for 2023 is to start casework, evaluate the process (after 10 and 25 cases) and settle on the final process and equipment set. We anticipate that a formal roll-out will introduce the RFI process and teams to the Division with webinars planned for later in 2023.

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Rob KIUI
New England Division Assistant Director
Spectrum-Protection-and-Use

Mentoring and New Ham Development Update

Anita Kemmerer, AB1QB, Assistant Director for Mentoring & New Ham Development

Ham Bootcamp

I have been busy with Mentoring and Ham Development Activities with my local club, the Nashua Area Radio Society. On November 5th, we held another successful Ham Bootcamp, which was attended by new Hams, inactive hams, and prospective hams from all over the US – we even had some DX attendees from Canada and India. Ham Bootcamp is a one-day online program to help hams gain the skills to build a station and get on the air. We have some great instructors from the ARRL New England Division, Jamey Finchum, AC1DC, Abby Finchum, AB1BY, Stu Solomon, W1SHS, Burns Fisher, WB1FJ, Aron Insinga, W1AKI, and Fred Kemmerer, AB1OC for their dedication to mentoring new hams.

Ham Bootcamp started out small and has grown to allow us to help many Hams all over the world and even a few DX. We started out by hosting the graduates of our license classes in our home and helped them to get on the air, did a demo of Satellite contacts, held a small repeater net, put up an antenna, and demonstrated portable operating and built a small station on our dining room table. We also met students at our local Ham Radio Outlet and walked them through the choices of equipment they might want to purchase for their first station.

After a few small bootcamps, we were invited to do a Ham Bootcamp for New England Hams at the 2019 Northeast HamXposition, where we hosted close to 70 students.





Bootcamp Session: Jamey, AC1DC, Shows Boot-campers How To Build an HF Station at the 2019 HamXposition

Then the pandemic hit and we moved our license classes online. We decided to move Ham Bootcamp online as well and were able to serve a much larger audience. We had around 450 students sign up for our first online bootcamp from all over the US and Canada. We have continued to provide the online version of Ham Bootcamp twice per year and to date have served close to 1,000 hams.

Below is the agenda for our most recent bootcamp. The morning sessions focus on activities for Technicians and the afternoon sessions focus on activities for Generals and above. All of the topics provide the basics to help new hams to get started in the many activities in Amateur Radio. We have improved the agenda with each successive Bootcamp and now use breakout rooms to allow students to choose between multiple sessions. We have replaced the in-person shopping trip with a Virtual Shopping trip, which is a follow-on activity for the boot-campers, where we visit multiple retailers' and manufacturers' websites online.

TRACK	SESSION	HOST
Repeaters and VHF/UHF	Bootcamp Introduction	Fred, AB1OC
	Putting together a Station for Repeaters - How to pick a Radio and an Antenna	Fred, AB1OC
	Making Contacts and Joining a Repeater Net	Fred, AB1OC Aron, W1AKI
	Radio Programming Tutorial	Fred, AB1OC
	On The Air Satellite Demonstration Getting started with Amateur Radio Satellites	Fred, AB1OC Burns, WB1FJ
	Getting started with Fox Hunting	Abby, AB1BY
HF Activities	Putting together an HF Station for SSB, CW, and Digital	Jamey, AC1DC
	Picking and Putting up an HF Antenna, Feedline, and Ground	Fred, AB1OC
	Operating on the HF bands using SSB Voice	Fred, AB1OC
	Setting up WSJT-X and FT8 Digital	Fred, AB1OC
Interactive Breakouts	CW - Learning the Language of Morse Code	Fred, AB1OC
	Finding DX and QSL'ing - Getting them in the log and confirmed	Anita, AB1QB
	An Introduction to EmComm	Stu, W1SHS
	Introduction to Portable Operating	Jamey, AC1DC
Conclusion	Where to learn more and online Ham Radio Shopping Trip	Fred, AB1OC

We held the most recent bootcamp on November 5th and had over 100 people register. Through programs like this we can help the many inactive amateur radio licensees become active in the hobby. This is a great way that clubs can help new or inactive hams to get on the air.

Mentoring and Ham Development Working Group Meetings

The most recent meeting of the Mentoring and Ham Development and the Youth Outreach and STEM Learning groups was held on October 12th. We had 2 guest speakers. Mike Walters, W8ZY spoke to the group about ARRL programs for club leaders, the Club Grant Program, the Club Development Webinar Series, and the Club Commission Program. Fred Kemmerer, AB1OC spoke to the group about how your club can work with a school on an ARISS contact with an astronaut on the space station including a recap of the recent BIG E Space Chat. You can watch the recording of the session on the Mentoring and Ham Development page:

<https://nediv.arrl.org/mentoring-and-new-ham-development/>

Our next meeting will be held on December 15th starting at 7:00 pm Eastern Time. We would like to hear about your mentoring projects. To get the Zoom link, join the ne-ham-dev Groups.io group or contact me at ablqb@nediv.arrl.org.

NEDIV Youth and STEM Outreach Update

Dan Norman, *NØHF, Assistant Director for Youth Outreach & STEM Learning*

This summer was one to remember. The Space Chat at the Big E was a great opportunity for New England youth to experience what ham radio can offer. Earlier this year the Space Chat team (Fred AB1OC, Ray AA1SE, Bob K5TEC, Larry W1AST, Barb KC1KGS, Phil K9HI, and myself) began preparing for what became a once-in-a-lifetime chance for them to contact the ISS over a Ham Radio link from a ground station in Belgium (ON4ISS). A group of STEM students from New England Sci-Tech asked a question each and were excited learning about space life and other answers from the astronaut, the personal connection and inspiration they experienced was the highlight and the audience felt it as well. I am hopeful this will encourage careers in the space industry for these kids. A special thanks to the Space Chat team, the BigE management and technicians, ARISS, and all the kids and their families for the time and energy involved in all aspects. Given its magnitude I feel this will happen again.

The HamXposition in August also was a chance for the attendees to see the New England Sci-Tech students give presentations and host a Q&A session. I met two young people from the Hudson Division and learned how things were going there. In this role I make it a point to say hi to as many youth as I can, to simply let them know the NE division is involved and can be a resource for information on many Ham Radio topics. Scholarships and grants information is always welcomed. Fred AB1OC and I are completing final edits for the School information packets to be distributed to clubs and interested organizations to provide them a roadmap to our hobby that will augment the curriculum in areas of kit building and electronics, high altitude balloon launches, Internet, Public Safety and Emcom, geography, and digital modes.

The Ham Mentoring and Development and STEM Outreach teams have now combined our quarterly Zoom meetings to conserve everyone's time and we will be hosting another this fall. Please see nediv.arrl.org for latest information. All for now, have a safe and fun fall and winter.

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Dan Norman, NØHF

Emergency Communications and Public Service

Cory Golob, KU1U, Assistant Director for EMCOMM and Public Service

I have been meeting weekly with Fred Kemmerer, Marcia Forde, Josh Johnston and other members of the NTS 2.0 committee as we continue to make progress on the enhancement of the National Traffic System. We continue to present our vision to Sections across the nation and obtain feedback and more volunteers along the way. We are nearing the point for implementation teams so that we can focus on different efforts with the program.

Our last NE-ECAPS presentation was given by Maury Prentiss, KB1EZZ, who spoke on "thinking outside of the box". His presentation was very well received and highlighted how his group supplements communications and how they work with the fire department during incidents. The next presentation on 11/21 will be on Mesh Networking and the Amateur Radio Digital Emergency Network (ARDEN) with a focus on how these networks can be used to benefit emergency and public safety communications. Orv Beach, W6BI, from Simi Valley California will be giving this informative presentation via Zoom.

I have been asked by Phil Temples, K9HI, to lead the Emergency Communications track for next year's HamXposition. I will be reaching out to all SECs in New England and Hudson Divisions to ask for their engagement in this process. I believe getting SECs involved in the formation, delegation and delivery of emergency communication and public service-related talks is instrumental.

As the weather turns colder, perhaps participation in nets may pick up. I encourage those who have never checked in to an ARES, RACES, SKYWARN or NTS nets to do so. If you regularly check in to nets, then I ask that you challenge yourself to take on new roles, maybe volunteer to be a Net Control and learn new skills to keep you engaged in the hobby. If you have been around the block for a while, stir up interest and get others to participate and check in with their local nets and groups. Recruitment is essential for the continued success of our communication groups. We should always be looking at the next generation of operators now.

ADVENTURE AT THE FORT—NEW ENGLAND REGIONAL SCOUTING JAMBOREE A HUGE SUCCESS: CUB SCOUTS LOVE RADIO

Contributed by Nancy Austin, KC1NEK, NCRC (RI) club president

The Newport County (RI) Radio Club was a strong presence at Saturday's wildly successful Scouting Jamboree Adventure public day at historic Fort Adams (1799) in Newport, Rhode Island. Over 3000 Scouts attended this post-covid New England regional Jamboree weekend.

One of the day's highlights was a dramatic Coast Guard helicopter to water rescue drill watched with rapt attention by the cross-generation crowds on a perfect day. The large and active Newport (RI) County Radio Club set up multiple hands-on stations across the west side of Fort Adams facing Narragansett Bay, and NCRC volunteers spoke all day with hundreds of Scouts and adults eager to learn more about making satellite contacts, GMRS, CW, HF, and well-received demos on the principles of radio communication.

A special shout out in this post to the 5th grade Cub Scouts who rallied around NCRC Scouting Jamboree lead, John Vecoli, KC1KOO, shown below with Cub Scouts from packs across RI, including East Greenwich and Richmond. Nearby, 5th grade Cub Scouts Valerie and Ingrid from Newport's small but vibrant coed pack were excited to hear about becoming a licensed radio operator from NCRC new hams Nolan Byrne, K1PRU, and Pat Strong, K2PRU, from Prudence Island who loved mentoring the girls on their own new radios. The future looked bright today!





Bob Matose, KC1RFM; Keith Henry, KC1LPV; and Crystal, KE1KAT, as Radio Ambassadors



Mike Cullen K1NPT, GMRS station lead and retired Navy club member Bill KC1NFM helping mentor Scouts at Fort Adams, Newport RI October 22, 2022

JOTA AT CAMP SAYER A SUCCESS!

Contributed by Rusty Moore, K1FVK

The Blue Hill Observatory Wireless Society hosted a successful Jamboree On The Air event at Camp Sayer in the Blue Hills Reservation on Saturday. Club President Steve Hillson, Tom Ulrich, Rusty Moore, Joe Fitzgerald, and John, Bree, Rhys and Tate Aldridge were all present to help. Also present were various law enforcement and security agencies (including MEMA) for a Scouting Explorer career day event.

We had full run of the covered pavilion overlooking the parking lot, and operated three stations: Steve and Rusty on SSB phone, and Tate running FT8. Tom handed out information packets and delivered a terrific introduction to the radio hobby to every group of Scouts as they arrived at the pavilion.

One of the most popular activities among the Scouts was our Morse code set-up consisting of a straight key with practice oscillator, and two wire-connected keys separated by 20 feet so that two Scouts could send code back and forth. John Aldridge and Joe Fitzgerald assisted with their code. The kids loved it.

Rusty kept tabs on the International Space Station and used a handheld Yagi to track the Station on three consecutive passes. Tate guided the antenna on the third pass.

The most memorable contact of the day was made between a young girl named Emily, who was visiting with her family, and PE1OAD/MM aboard a Dutch cargo ship out in the Atlantic!



Tate K1MKD monitoring radio traffic from the ISS. Photo courtesy Rusty Moore, K1FVK



Rhys, Tate's brother, getting a response to his CQ from a station in Newbern, NC.

Photo courtesy Rusty Moore, K1FVK

WC1MA 53.31 6-METER MOUNT WACHUSETT REPEATER IS BACK ON THE AIR

Contributed by Bruce Fant, KA1TZY

WC1MA It's my pleasure to announce that the WC1MA 6 meter repeater 53.31 is back up and on the Air at Mt Wachusett with PL of 71.9. PL 162.2 will not work take note and change your PL if needed. The new repeater was donated in memory of Dale Thomas WA1RJG by John W1GPO. The Custom built antenna and tower work was donated by Clark N1PAH. After years of personally keeping it on the air then the Lightning strike over a year ago, myself and fellow coworker Alex-AB1FC started talking and looking at ways to bring it back. We had some help from some other volunteers on install day Mike Girard from MEMA and our intern Joe-KC1EGK.

I'm getting reports from stations that it's working great around the state. Give it a try and report back please.

Bruce Fant / KA1TZY
Auburn RACES officer
ComT / ComL

K1YUB PRESENTATION AT 40TH ANNUAL AMSAT SPACE SYMPOSIUM, OCTOBER 21- 22, 2022

Contributed by Bruce Fant, KA1TZY

Paul Graveline, K1YUB, of Andover, MA, presented at the 40th Annual AMSAT Space Symposium in Bloomington, Minnesota, on October 21-22, 2022 on the CubeSat Simulator.

The symposium featured:

- * Space Symposium with Amateur Satellite Presentations
- * Operating Techniques, News, & Plans from the Amateur Satellite World
- * Board of Directors Meeting open to AMSAT members
- * Opportunities to Meet Board Members and Officers
- * AMSAT Annual General Membership Meeting
- * Auction, Annual Banquet, Keynote Speaker and Door Prizes !!

Additional information about the 2022 AMSAT Symposium can be found at <https://www.amsat.org>.

NAME THAT LIGHTHOUSE

By Cory Golob, KUIU

I did not realize how tricky the lighthouse that I selected would be when I posted it in the August edition. I found the Sheffield Island Lighthouse in Connecticut to be very picturesque, but when I started receiving different answers, I became a little worried. I sprang into action researching lighthouses and discovered that the same design used for the Sheffield Lighthouse was used by five other lighthouses: Great Captain Island (CT), Morgan Point (CT), Old Field Point Light (NY), Plum Island (NY) and Block Island North (RI). Successful radiograms received through the National Traffic System were received by N1JIW, NT1N and K1YBE. I will put more complete addressing information (which may have contributed to lower participation by not listing a phone or email). This edition's lighthouse should be much easier to identify!

If you would like to be listed in the next Beacon Newsletter, please send a radiogram to me identifying the name of the lighthouse listed on the cover of this newsletter.

Send Radiograms To:

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