



HamX - *The Northeast* **HamXposition**
August 13-16, 2026



August 13 – 16 2026

Our 43rd Convention



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*Many other parts and options not listed here.
Please ask!*

Larry Shapiro • K6RO54@gmail.com • (310) 710-2869

Welcome to the Northeast HamXposition 2026

Welcome to Marlborough for New England's annual amateur radio convention. Our committee has put together a full weekend that highlights the best of our hobby.

This year's program features technical forums, licensing exams, and specialized tracks for everyone from new hams to seasoned operators. Take a look through the schedule so you don't miss the sessions that interest you.

Between talks, please explore the exhibit hall. Our sponsors and commercial vendors (as well as YOU!) make this convention possible. Please visit their booths, check out the latest gear, and thank them for their support.

Above all, enjoy the camaraderie. Catch up with old friends, meet new ones, and have a great weekend.

73,
Bob DeMattia, K1IW
General Chair



HamXposition thanks



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PO Box 258
Marlborough, MA 01752

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N1EM/R 446.675 PL 88.5

Net every Sunday evening at 7:00pm
(September through June)



Since 1976

The club meets the second Thursday of every month
at 7:30pm, except in July and August, at the
1st Lt. Charles W. Whitcomb School
25 Union St, Marlborough, MA

Enter from Agoritsas Drive next to police station
and use Door #1 at rear of building.

HamXposition 2026 Schedule

Thursday, August 13

Magician Jack Miller — 8pm

Friday, August 14

Flea Market: 9 am — 5 pm

Mini-Contest University: 9 am — 6 pm

Exhibit Hall: 12 noon — 5 pm

Workshops: 9 am — 5 pm

DX/Contest Dinner: 7 — 9:30 pm

Max Freedman, N4ML — See Page 16

Door Prize: Rig Expert Stick Antenna Analyzer

Saturday, August 15

Flea Market and Exhibit Hall: 9 am — 5 pm

Keynote: Everton Henriques, KD2ZZT — See Page 18

VE Exams: 9 am & 1 pm

EmComm Trailer Exhibits

Forums: 10 am — 5 pm

Convention Banquet: 7 — 9:30 pm

Katie Campbell, KE8LQR — See Page 39

Door Prize: Yaesu FT-710 AESS

Storytelling starts at ~ 9 pm

Sunday, August 16

Flea Market and Exhibit Hall: 9 am — 12 noon

Forums: 10 am — 1 pm

VE Exam: 10 am

Prize Drawings @ 1 pm Grand Prizes:

Grand Prizes: Flex 8400

ICOM IC-7300 MK2

Elecraft KH1 Edgewood

W1XPO GOTA station in Corporate Room, E7

DXCC Card Checking in the exhibits area

Fox Boxes — See Page 14

Northeast HamXposition Through the Years

Before FEMARA sponsored the convention various others group did, starting in 1924. FEMARA originally held a picnic/hamfest. In 1958 it was held at Norumbega Park in Newton. From 1959 to 1965 and again in 1967 and 1968 the hamfest was at the New Ocean House hotel in Swampscott. In 1960, the hamfest became the official ARRL New England Convention. The 1966 it was the ARRL National Convention at the Prudential Center in Boston.

The 1969 event was interesting: Two weeks before the convention, the New Ocean House hotel burned to the ground. The convention staff went into overdrive and managed to move to the Park Plaza hotel in Boston, retaining the original convention dates. The next few years saw it at the Statler Hilton, Boston in 1970 — another ARRL National Convention — and then in Hyannis in 1973 and back to the Hilton in 1976.

From 1978 to 2012 the Conference was held in Boxborough on even years, at the same hotel although it held many names during this period. ARRL's 100th Anniversary conference in Hartford in 2014 precluded a local conference, which led to a conference in 2015 in Boxborough and a decision to hold one every year. The last Boxborough conference was in 2019, COVID forced us to have a virtual conference in 2020, and starting in 2021 we have held the Northeast HamXposition in Marlborough.



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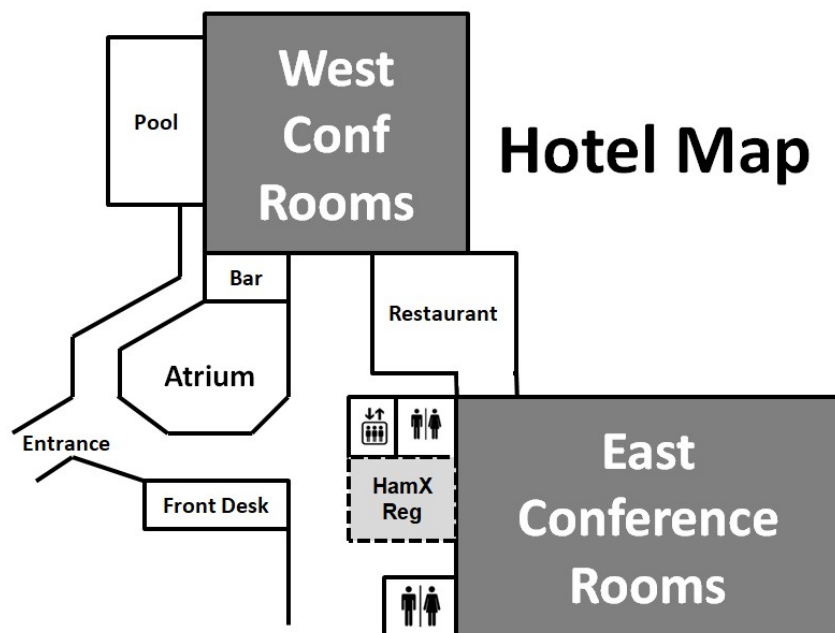


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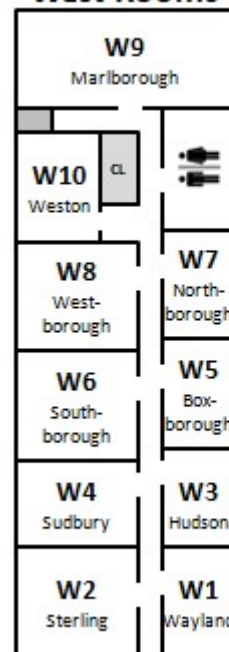


	Friday, 14 August 2026				
ROOMS:	Atrium Lobby	E1 Duchess	E2 Salon A	E4 Salon B	
830			registration		
900			mini Contest University (Registration at 0830)		
1000					
1100		Technician Toolkit			
1200					
1300	Kit Building Workshop				Introduction to Impedance, SWR and Transmission Lines
1400	Kit Building Workshop				The End Fed Half Wave Antenna (EFHW) How it works.
1500	Kit Building Workshop				
1600		Informal Meet & Mingle for YLs			
1700					
1800					
1900			Contest and DX Dinner Max Freedman, N4ML		
2000					
2100					

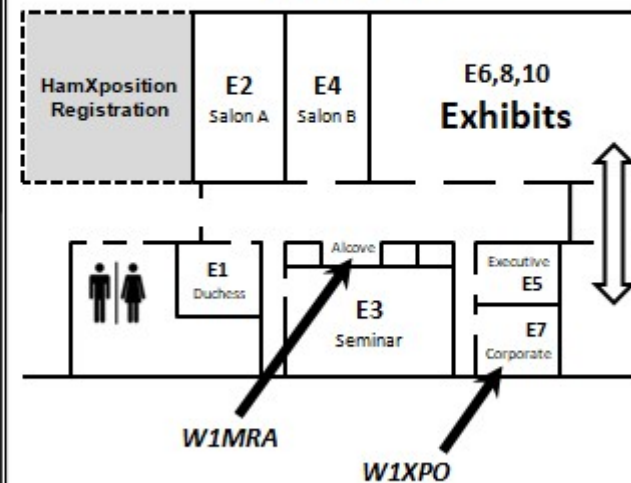
Friday, 14 August 2026			
E3 Seminar	W1 Wayland	W2 Sterling	W9 Marlborough
Club Track	Two Tower Zoning Permit Cases: CT and MA, Plus Your Questions	Merrimack Valley Digital Network - Successes and Challenges	Arduino Workshop
		Stealthy All-Band HF from Attics and Small Spaces	
			SKYWARN Spotter Class



West Rooms



East Rooms



Saturday 15 August 2026							
Rooms:	Atrium / Lobby	E1 Duchess	E2 Salon A	E4 Salon B	E3 Seminar	W1 Wayland	W2 Sterling
900			Keynote Everton Henriques, KD2ZZT				
1000	Kit Building Workshop	GPS-NTP \$20 20 nanosecond home time server, Frequency beacon	Intro to 3D Printing for The Radio Amateur	The K3LR Multi Multi Station	Doomsday POTA: Why Portable Ham Radio Is The Ultimate Prepper Hobby	Introduction to D-STAR 2026	Antique Radio Repair
1100	Kit Building Workshop	Andy's Ham Radio Linux	Elecraft updates, with Q&A	Choosing your first Ham radio	CT-POTA Activators Group	D-STAR in New England	Repair of Antique Radios, Ham and Consumer
1200		ARRL Forum	The Great Springfield Tornado 15th Anniversary	Remote HF - How to spend money!	Getting started with POTA		How to Get Started in Repairing Vintage Heathkit Ham
1300	Kit Building Workshop	Extending FT8 via OpenAI Android and IOS app generation	YCCC Business Meeting	The Mystery of Earthquakes in the Eastern United States: Why Does the Earth Quake in New England?	POTA Activations Finding and Researching a Park	Fox hunting: thrill of the chase and satisfaction of construction	Two Tower Zoning Permit Cases: CT and MA, Plus Your Questions
1400	Kit Building Workshop	Using AI to create software for ham radio.	The Big Knob	RF Exposure Overview	FT4/FT8 POTA w/o a Laptop	Foxhunting On a Budget, A Springboard To Club	The Ins and Outs of RFI – A Station Perspective
1500	Kit Building Workshop	Where HF Radio Is Going and AI along with it!	WRTC 2026	Succeeding as a Volunteer for Amateur Radio Public Service Events	FT8 and DX	Fox Hunt Hands-On Training	Organizing an RFI Team to help find and fix interference
1600	Youth Forum ~ New England Sci- Tech ARS	AI and Modern Wireless Communicati on Systems			Finding and Chasing DX with FT8	Successful Scanning in 2026	An Optimized High Power Magnetic Loop Antenna
1700							
1800							
1900			Grand Banquet Katherine Campbell, KE8LQR				
2000							
2100	Open-Mic Storytelling						
2200							

Saturday 15 August 2026						
W3 Hudson	W4 Sudbury	W5 Boxborough	W6 Southborough	W7 Northborough	W8 Westborough	W9 Marlborough
					License Testing Session I	
Mobile Radio Installation Techniques and Tricks	ARRL CT Section Manager Meeting	FEMA Emergency Communications		Understanding SWR		What does it take to run a large scale special event?
A Mobile Station in a Jeep Wrangler	Whats New in New Hampshire?		Advanced Topics in SKYWARN			The Golf and Fox+ AMSAT Satellites
		Situational Awareness for Field Operators	An Intro to High Altitude Ballooning	NTS Meet and Greet		Tactical Communications for Amateur Radio
How to Build and Operate a Two-Meter, QRP Earth- Moon-Earth Amateur Radio Station	NESMC Board Meeting (closed)	Use of LoRa	Radio Astronomy & Satellites - Awesome Club Activities	NTS: Is It Relevant Today?	License Testing Session II	Ham2K Portable Logger, or how to be happy logging on your phone
VHF Auroral propagation. What we know in 2026.	Rhode Island Section Forum	New England Spectrum Management - Annual Meeting	StratoScience 2026 - Ham Radio and Education to New Heights	New England Division ARES SEC Forum		DXing With DXLab
Stealthy All- Band HF from Attics and Small Spaces	McElroy - Local Boy Makes Good	How to Build Your Own Passive Radar for Under \$500	YL Meet and Greet Forum			Net Central - a new spin on APRS, nets and EmComm tools
Use antenna principles to get out from difficult locations		The Story of the ENIGMA: History, Technology and Deciphering		LICW and Renaissance of Morse Code		Remote Station on the Cheap

Sunday, 16 August 2026				
Room:	E1 Duchess	E2 Salon A	E4 Salon B	E3 Seminar
900				
1000				
1100	Finding and Chasing DX with FT8			Net Central - a new spin on APRS, Nets and Emcomm tools
1200	Introduction to the MMRA and Raffle			
1300		Closing Ceremony and Prize Drawings		
1400				
1500				

FEMARA Scholarships

This is why we hold the convention.

Your donations and all proceeds from the convention go to the FEMARA scholarship fund, which helps students attend a college or trade school of their choice. The ARRL Foundation administers the perpetual fund. Each year the foundation scholarship committee meets to carefully review hundreds of applications received from remarkably talented young men and women. The foundation receives cash and stock donations from hams and their families worldwide which include bequests from living wills and trusts. Please consider helping this great undertaking. When you donate to the foundation, please specify the FEMARA New England Fund!

If you know a worthy student, or are one yourself, you can apply online at:
< <http://www.arrl.org/scholarship-application> >

See the full list at:

< <https://hamxposition.org/scholarship-recipient.html> >

Sunday, 16 August 2026			
W1 Wayland	W2 Sterling	W8 Westborough	W9 Marlborough
Military Auxiliary Radio System (MARS) and Shared Resources (SHARES)	Fox Hunt Hands-On Training	License Testing Session III	Technician Toolkit
MARS Meeting (closed)	POTA Activations Finding and Researching a Park		

2026 FEMARA Scholarships

Congratulations to 2026 EMARA Scholarship recipients:

Kaden Golda, KW1CDR, West Townsend, MA

Connor Grant, W1HXC, Norwich, CT

Julianne Knappik, KB1YTT, Raynham MA

Hadrian Ward, KC1YKK, Appleton, ME

Moonbounce Donations (≥ \$50)

AD2CT	Robert Gill	NA1L	Wyland Clift
K1DT	David Tessitore	NE1RD	Brunce Andersen
K1KI	Tom Frenaye	W1CBD	Charles Dunn
K1RAU	Dan Rau	W1DYJ	Larry Banks
K5TEC	Bob Phinney	W1JKS	John Samolyk
KB1DJ	Alan Kline	W1MVP	Michael Pasquale
KB1OIQ	Andy Stewart	W1STR	New England Sci-Tech
KC1KGS	Barbara Irby	W1USN	Michael Rioux
KD1SM	Ralph Swick	WB1ARU /	WA1ENO
KD4DXX	Karin Thompson		Anne & Tony Manna
KW1U	Marcia Forde	W1I	Bernie Quartaroli
N1FNE	Rod Lane	WJ1U	John Evanson
N1KET	Chris Trainor	WO1E	Ronald Rothman
N9JBT	James Tinkler		

(Our apologies if we missed listing any donations from after 23 July.)

Thursday Night Kickoff — 8 PM

Magician Jack Miller

Friday, 14 August 2024

9:00 AM — 5:00 PM Salon B E4

[8:30 AM Registration]

Mini Contest University

11:00 AM — 3:50 PM Duchess E1

Technician Toolkit

Jimmy Surprenant AB1DQ, Rob Jackson N1RWJ & Mark Noe KE1IU

Technician Toolkit is aimed squarely at the entry class ham radio operator to share ideas for exciting things can be done with Tech privileges. Subjects: 10 Meters for the Technician; Satellite Operations; Getting the Most of Local 2 Meter Nets; Morse Code for the Technician; Digital Phone for VHF/UHF. **(Repeated Sunday @ 10:00)**

1:00 PM — 1:50 PM Atrium Lobby

Kit Building Workshop ~ Bob Phinney, K5TEC

Beginners who need soldering instruction and practice are welcome to join us to build an easy beginner kit in under an hour. New England Sci-Tech volunteers will help anyone age 10 and up learn how. Choose from several kits - Morse Code Oscillator, Blinky Name Badge, Night Light, Spinning Top, FM Music Receiver. All kits were invented by students! Price per kit is between \$5-\$10, cash only. **(Repeated many times)**

1:00 PM — 5:00 PM Seminar E3

Club Track ~ Bruce Blain, K1BG

The Club Track talks are focused on successful clubs helping clubs by sharing programs that have worked for them. A series of half hour talks, by clubs and for clubs, to help clubs energize, invigorate, and grow.

1:00 PM — 1:50 PM Salon B E4

Introduction to Impedance, SWR and Transmission Lines ~ Greg Algieri, WA1JXR

The presentation will introduce the amateur to what complex Impedance is. How to measure it. How the Impedance is related to my SWR. How this all applies to transmission lines

Fox Boxes

Several automated hidden transmitters are running during HamX, intended for on-foot "fox hunts." If you are new to fox hunting, check this program for the fox hunting forums and hands-on training sessions. A wheelchair accessible "fox" is transmitting 145.605 MHz. Others will be on 147.540, 146.565, and 145.63 MHz (pl 146.2).

Friday 14 August

and how the waves and power travel from your transceiver to your antenna.

1:00 PM — 1:50 PM Wayland W1

Two Tower Zoning Permit Cases: CT and MA, Plus Your Questions Fred Hopengarten, Esq. K1VR & W. Dale Clift, Esq. NA1L

NA1L: KC1KLZ sought a special permit for a 175' repeater tower on ~13 acres in East Lyme, CT. Denied (no tower at all). Court held: City must negotiate to reasonably accommodate amateur radio. Ultimate result: 155' tower. K1VR: The Framingham Zoning Board of Appeals overturned the grant of a building permit for KD1MF, on the grounds that requirements for a cell tower applied. KD1MF won a permit when the Land Court ruled that his 80-foot tall tower should be treated as an exemption from the Wireless Communications Facilities ordinance. **(Repeated: Saturday @ 1 PM.)**

1:00 PM — 1:50 PM Sterling W2

Merrimack Valley Digital Network - Successes and Challenges ~ Jay Taft, K1EHZ

1:00 PM — 2:50 PM Marlborough W9

Arduino Workshop ~ Max Kendall, W0MXX

This workshop will guide you through the Arduino programming language and assembling basic circuits with both electronics and code. By the end, we will have created a Morse code keyer. [BYO laptop with the latest Arduino IDE installed. Arduino kits available to borrow.]

2:00 PM — 2:50 PM Atrium Lobby

Kit Building Workshop ~ Bob Phinney, K5TEC (repeated, see Friday @ 1pm)



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Friday 14 August

2:00 PM — 2:50 PM Salon B E4

The End Fed Half Wave Antenna (EFHW) How it works. ~ Greg Algieri, WA1JXR

This presentation will describe how the End Fed Half Wave Antenna works as a multi-band HF antenna. Greg will show you how and why it works and how it can be a good HF multi-band antenna for home or portable use.

2:00 PM — 2:50 PM Sterling W2

Stealthy All-Band HF from Attics and Small Spaces ~ Corey Ruth, KD3CR

Living in an HOA, apartment, condo, or other restricted space, you know the struggle to put up decent antennas, especially for HF. Most options are complex, expensive, cover limited bands/bandwidth, have limited effectiveness, require tuners, or some combination. But there's another option. It's simple, cheap and easy to build, very flexible, and extremely broadband, covering all HF bands without a tuner: the Broadband Butterfly Terminated Dipole (BBTD). *(Repeated: Saturday @ 2 PM.)*

3:00 PM — 3:50 PM Atrium Lobby

Kit Building Workshop ~ Bob Phinney, K5TEC (repeated, see Friday @ 1pm)

3:00 PM — 5:00 PM Marlborough W9

2026 Skywarn Spotter Class ~ Rob Macedo, KD1CY

This is the traditional SKYWARN training class offered by the WX1BOX Amateur Radio team on behalf of NWS Boston/Norton. There is new content for the 2026 SKYWARN class on NWS product and services but it also incorporates prior content from previous years. This SKYWARN training will go through the traditional SKYWARN reporting criteria for all weather hazards meaning winter storms, hurricanes and all weather hazards with the usual enhanced focus on severe thunderstorm and tornadic development.

4:00 PM — 6:00 PM Duchess E1

Informal Meet & Mingle for YLs ~ Anne Manna, WB1ARU

All women invited to drop by before dinner for a chance to say hello!

7:00 — 9:30 PM Salon A/B

DX / Contest Dinner

Max Freedman, N4ML

Max is back from Bouvet Island: the 3Y0K DXpedition. Hear Max's story.

Licensed in 2016, at age 12, he has become an active contester and DXer, a 2026 WRTC competitor, Caribbean Contesting Consortium Member, and has activated rare DXCC countries like Bouvet Island as part of the 3Y0K team. He has made a vocation out of his avocation, working full time at the ARRL's Education and Learning Department.

Door Prize: Rig Expert Stick Antenna Analyzer



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Saturday 15 August

9:00 AM E-2 (Salon A)

Keynote Address

Everton Henriques, KD2ZZT

Everton is a technology teacher at Staten Island (NY) Technical High School, bringing relevant, interesting and "hands-on" Amateur Radio concepts to his engineering classroom. Everton has participated in two levels of the ARRL Teacher's Institute which he describes as "two amazing week-long immersions in electronics, wireless technology, remote sensing, amateur radio, and curriculum development." Everett is station trustee and co-founder of his school's amateur radio club, WS1THS, where "we are all about learning and getting as many students licensed as possible."

9:00 AM — 11:00 AM Westborough W8

License Testing Session I ~ MMRA

10:00 AM — 10:50 AM Atrium Lobby

Kit Building Workshop ~ Bob Phinney, K5TEC (repeated, see Friday @ 1pm)

10:00 AM — 10:50 AM Duchess E1

GPS-NTP \$20 20 nanosecond home time server, Frequency beacon ~ Bradshaw Lupton, K1TE

This work explores an alternative to GPS-based timing, using millennia-proven astronomical timekeeping - achieving ~10 ms accuracy at home by observing star and planet transits. I've been developing the software and experimental methods behind this approach. The techniques, tools, and lessons learned make up roughly half of this shared talk. Improved from last years HAMX: a true, slick, no-solder Quick GPS timing, NTP, and professional frequency-standard project.

10:00 AM — 10:50 AM Salon A E2

Introduction To 3D Printing For The Radio Amateur ~ Jeffrey Bail, NT1K

Interested in 3D printing? This presentation will go over some of the history, different types of 3D printing, typical process, applications for the radio amateur radio, and suggestions to start from.

10:00 AM — 10:50 AM Seminar E3

Doomsday POTA: Why Portable Ham Radio Is The Ultimate Prepper Hobby
Mindy Hull, KM1NDY

It is not a secret that a percentage of recently licensed amateurs entered the radio hobby in order to level-up their survivalist game. And not unexpectedly, a contingent within our ranks likes to mock those performing low-commitment efforts at communication preparedness such as buying -- and quickly shelving -- unused, cheap, dual-band handi-talkies. And they have a point... Ham radio is not a particularly easy tool to learn on the fly in the middle of a potentially world-ending event! Let's talk about how amateur radio, and in particular portable operations such as SOTA and POTA, offers a menagerie of opportunities to develop and practice real-life communications and other emergency skills.

10:00 AM — 10:50 AM Salon E4

The K3LR Multi Multi Station ~ Tim Duffy, K3LR

Tim, K3LR will show and describe the current K3LR station including 14 towers and 11 operating positions. He will also talk about youth activities at K3LR and his association with HamSCI.

Saturday 15 August

10:00 AM — 10:50 AM Wayland W1

Introduction to D-STAR 2026 ~ Terry Stader, KA8SCP

This is an updated version of past HamX presentations. Geared to both new and old time D-STAR users who may be missing some of the new adventures to be had. Not a D-STAR user, you too will benefit from this presentation to learn more about the mode. Q&A will be available.

10:00 AM — 10:50 AM Sterling W2

Antique Radio Repair ~ Andy Stewart, KB10IQ

Andy will talk about antique radios, where to find them, how to fix them, and how to safely enjoy them. The radios might be old AM or FM radios, but could also be ham radio / shortwave receivers. Come to the talk to learn more about this facet of our hobby.

10:00 AM — 10:50 AM Hudson W3

Mobile Radio Installation Techniques and Tricks ~ Zachary Sherman, KC1NXK

Installing a mobile radio in your vehicle can be a challenging but rewarding project. Using examples from his own installations, Zachary will demonstrate techniques for cleanly installing mobile radios and other electronic accessories in vehicles.

10:00 AM — 10:50 AM Sudbury W4

ARRL CT Section Manager Meeting ~ Douglas Sharafanowich, WA1SFH

Amateur Radio is fun and exciting! Come meet your ARRL CT Section Manager, Douglas Sharafanowich - WA1SFH, for a casual conversation about Amateur Radio. Let's hear about what you have been doing, both the successes and challenges. ARRL membership is not just 'QST'. Learn about Section Manager Cabinet, and how its volunteer staff helps hams in CT.

10:00 AM — 11:50 AM Boxborough W5

FEMA Emergency Communications ~ Mike Corey, KI1U

An overview of emergency communications capabilities and resources from the FEMA Region 1 Disaster Emergency Communications team. This presentation will cover RF, Satellite, cellular

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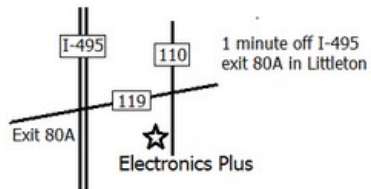
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Saturday 15 August

communications, communications planning, and communications support for field teams, and the Regional Emergency Communications Coordination Working Group.

10:00 AM — 10:50 AM Northborough W7

Understanding SWR ~ Ronald Evett, N1QY

A talk on transmission lines and impedance matching. The goal is to best deliver power to the antenna.

10:00 AM — 10:50 AM Marlborough W9

What does it take to run a large scale special event? ~ Bob Josuweit, WA3PZO

State managers from the 13 Colonies Special Event and the World Soccer Tournament Special Event will discuss what it takes to run a large special event, results from the 2026 events and plans for future events.

11:00 PM — 11:50 AM Atrium Lobby

Kit Building Workshop ~ Bob Phinney, K5TEC (repeated, see Friday @ 1pm)

11:00 PM — 11:50 AM Duchess E1

Andy's Ham Radio Linux ~ Andy Stewart, KB10IQ

A high level about the Andy's software collection. This popular software collection contains over 80 ham radio related programs which are easily installed on several supported flavors of Linux. Andy will discuss downloading and installation, followed by highlights from each software category. One need not be well versed in Linux to learn from this presentation.

11:00 PM — 11:50 AM Salon A E2

Elecraft updates, with Q&A ~ Eric Swartz, WA6HHQ

Eric Swartz, WA6HHQ, Elecraft Co-Founder, will discuss: K4 Transceiver, K4 Software Releases & Updates, K4/O Remote System and hold a Q&A on all Elecraft products.

11:00 PM — 11:50 AM Seminar E3

CT-POTA Activators Group ~ Shawn Warren KC1NQE, Conrad Trautmann N2YCH, Peter Cimino K1PCN & Brian Home N1BAM

The CT-POTA Activators Group [WB1CT] was founded by N2YCH, K1PCN, N1BAM and KC1NQE to bring activators together to share knowledge about our parks, setups, and overall knowledge of POTA. Learn how to organize similar multi-club events and activities to engage all license classes.

11:00 PM — 11:50 AM Salon B E4

Choosing your first Ham radio ~ Jonathan Slawsby, W5GI

New to ham or looking to get your license? This presentation will try to help you navigate the numerous different types of radios available.

11:00 AM — 11:50 AM Wayland W1

D-STAR in New England ~ Terry Stader, KA8SCP

An overview of New England D-STAR, including a quick review of what D-STAR is like here in the New England area. There will be an open Q&A session on topics of interest.

11:00 AM — 11:50 AM Sterling W2

Repair of Antique Radios, Ham and Consumer ~ Michael Thompson K1PDP

This will be an introduction to the repair and restoration of antique radios. The same methods apply to both consumer and amateur radios. We plan to cover Safety, Tools, Repair and Restoration sequence, and available references.

11:00 AM — 11:50 AM Hudson W3

A Mobile Station in a Jeep Wrangler ~ Alan Kline, KB1DJ

I took a used 2004 Jeep TJ Wrangler and outfitted it as an Emergency Communications vehi-



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Honey Hill

Coverage based on a 25-Watt UHF mobile
using a 5db gain antenna during foliage

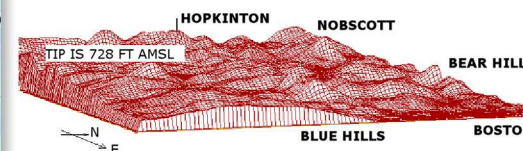
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AURORA
A NEW DAY FOR THE UNEXPLORED

Saturday 15 August

cle. Article was published in October 2025 in QST and presented via ZOOM in May of 2026 for the Long Island CW Club.

11:00 AM — 11:50 AM Sudbury W4

What's New in New Hampshire? ~ Dennis Markell, N1IMW

Review of latest Section efforts including contesting, NTS, ARES, DX and more. This will also will serve as an ARRL member forum for any questions and topics of interest.

11:00 AM — 11:50 AM Southborough W6

Advanced Topics in SKYWARN - Doppler Radar Fundamentals & How You Can Help with Severe Weather Reporting Situational Awareness ~ Rob Macedo, KD1CY

Want to get more involved in supporting SKYWARN? Want to learn more about Doppler Radar? Very often, for severe thunderstorms and localized flood events, damage can be very localized but significant where the damage or flooding occurs. This seminar is intended to give Amateur Radio operators a way to contribute further by supporting proper public safety radio monitoring. We will cover the need for net controls and monitoring of local area repeaters during severe weather situations. We will also cover Doppler Radar fundamentals and go through a few radar scenarios from past severe weather events.

11:00 AM — 11:50 AM Sudbury W4

The Golf and Fox+ AMSAT Satellites ~ Burns Fisher, WB1FJ

AMSAT is making progress on three different satellites to be launched in the next few years. One is Golf-TEE, which we have been working on for many years. Flying sooner will be Fox-Plus-A: another linear satellite for the amateur community and earlier than Golf-TEE. We are also working on FoxPlus-B, which will be a store-and-forward packet satellite. This talk will describe these satellites and give you an idea where they are in development.

12:00 noon — 12:50 PM Dutchess E1

ARRL Forum ~ Tom Frenaye, K1KI

Tom will host a New England Division forum covering League news and activities.

12:00 noon — 12:50 PM Salon A E2

The Great Springfield Tornado 15th Anniversary ~ Bob Hassett, KB1IVG

How the event was managed by the Springfield, MA and amateur radio's roll in the disaster.

12:00 noon — 12:50 PM Seminar E3

Getting started with POTA ~ Robert Nazro, W1RPQ

This presentation covers basic equipment, using the POTA website and activating and Hunting parks. Emphasis will be on beginners and setting up a simple station logging basics, how to work a pile-up and log submissions.

12:00 noon — 12:50 PM Salon B E4

Remote HF - How to spend money! ~ Michael Walker, VA3MW

Ever wish you could work DX from your couch while the antenna farm does the heavy lifting three states away? We'll discuss how the amateur radio market has solved remote HF operation provided your wallet is willing to cooperate. From picking the right network-native radio to replacing VPN nightmares with TailScale, this is a look at how far the technology has come and what it costs to do it right. No IT degree required. Credit card definitely required.

12:00 noon — 12:50 PM Sterling B W2

How to Get Started in Repairing Vintage Heathkit Ham Radios ~ William Cook Jr, W1FMX

The focus of this presentation will be on Heathkit gear since that is the easiest type of radio for a new 'repair guy.' The talk will cover such topics as how to choose a radio to restore, safety, getting started, cleaning and preparing the radio, gathering the tools and test instruments needed, studying the manual/schematic, examining and replacing various circuit parts, some 'tricks of the trade', and getting help if lost.



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**New England Sci-Tech
16 Tech Circle, Natick, MA**
Type nescitech.org/wec or scan→



Saturday 15 August

12:00 noon — 12:50 PM Boxborough W5

Situational Awareness for Field Operators ~ Steven Chapman, KB1RLF

There are many things to think about when operating in the field, but none are as important as your safety. How you perceive your surroundings, recognize potential dangers, and predict their impact ensures that your field operations run smoothly and you remain prepared for the unexpected. Steven is the Chief Park Ranger for the Town of Trumbull, Connecticut with over 20 years of experience in law enforcement. He will provide his perspective on how to operate within park rules and stay safe doing it. This is also a chance to share your experiences, ideas, and concerns.

12:00 noon — 12:50 PM Southborough W6

An Intro to High-Altitude Ballooning ~ Max Kendall, WOMXX

Come and learn how to fly your own radio experiments to the stratosphere! This presentation will cover topics such as tracking, lifting gas, inflation, and sourcing.

12:00 noon — 12:50 PM Northborough W7

NTS Meet and Greet ~ Marcia Forde, KW1U

Meet with traffic handlers throughout New England and beyond. We welcome seasoned traffic handlers and those just curious what it is all about. Get questions answered here, exchange information, share stories, and perhaps pick up a tip or two. Questions about NTS 2.0? We'll try to have answers for that, too.

12:00 noon — 12:50 PM Northborough W7

Tactical Communications for Amateur Radio ~ Howard Chain, K9NPD

This presentation benefits ARES members and any ham who wants to improve their communication precision, efficiency, and delivery of time-critical messages. Drawing on 30+ years of consulting experience with public safety agencies, I will cover tactical communications and make them relevant to ham radio in a practical, real-world way.

1:00 PM — 1:50 PM Atrium Lobby

Kit Building Workshop ~ Bob Phinney, K5TEC (repeated, see Friday @ 1pm)

1:00 PM — 1:50 PM Duchess E1

Extending FT8 via OpenAI Android and IOS app generation ~ Bradshaw Lupton, K1TE

Developing Android, IOS, and FT8/WSPR applications with ChatGPT as a supervised development partner. Focusing on the controlled and thoughtful use of AI tools to extend today's digital ecosystem, and treating AI not as a replacement for human judgment, but as an instrument for accelerating understanding, experimentation, and responsible software design.

1:00 PM — 4:00 PM Salon A E2

YCCC Meeting ~ Ken Caruso WO1N, Tony Brock-Fisher K1KP & Paul Young K1XM

Ken will host the Business Meeting, Tony will talk about "The Big Knob" and the transition to spectral displays, and Paul will share his experience as a competitor at WRTC 2026.

1:00 PM — 1:50 PM Seminar E3

POTA Activations Finding and Researching a Park ~ Brian Home, N1BAM

A review of the steps to find and research a park. Selecting the 'right' antenna and gear for a successful and fun POTA activation. (Repeated Sunday @ 11:00)

1:00 PM — 1:50 PM Salon B E4

The Mystery of Earthquakes in the Eastern United States: Why Does the Earth Quake in New England? ~ Alan Kafka

When people think of earthquakes, they think of a lot of places other than the Eastern United States (EUS). The EUS has had its share of significant historic earthquakes, such as a magnitude ~5.9 earthquake off the coast of Cape Ann, MA in 1755; two magnitude ~5.5 earthquakes near Ossipee, NH in 1940; and a magnitude ~5.3 earthquake near New York City



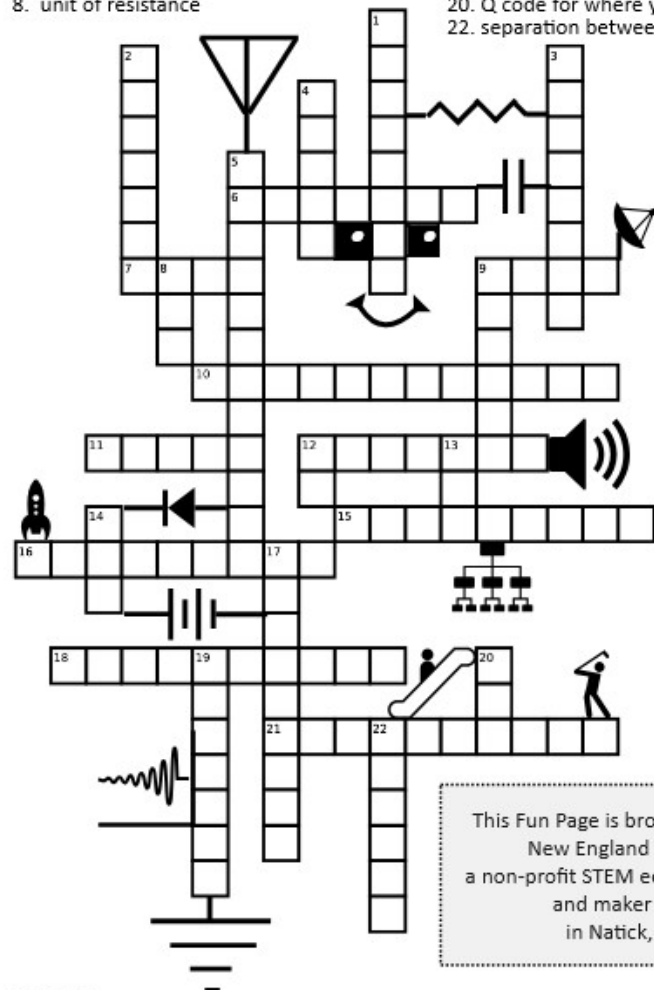
NEW ENGLAND SCI-TECH

Visit our booth in the Atrium for
a large version of the puzzle
and an answer key.

DOWN:

1. a signal at a multiple of the fundamental
2. formal messages sent by radio
3. satellite-to-earth communications
4. unit used to measure frequency
5. ham radio convention in New England
8. unit of resistance

9. one-way signals to detect propagation
12. calling any amateur radio station
13. a signal from Earth to Moon and back
14. type of diode that emits light
17. stores energy in an electric field
19. piezo device resonates at a frequency
20. Q code for where you are from
22. separation between input/output



BONUS:

The physicist who successfully sent the first human
voice over radio waves on Christmas Eve in 1906?
(9 Letters)

This Fun Page is brought to you by
New England Sci-Tech,
a non-profit STEM education center
and maker space
in Natick, MA.

ACROSS:

6. receives or radiates RF energy
7. center wire surrounded by a shield
9. a range of frequencies
10. instrument used to observe wave forms
11. Radio Amateur Satellite Corporation
12. flow of electrons in a circuit
15. opposition to the flow of current
16. rate that something oscillates
18. storage of energy in a magnetic field
21. electrically charged atmospheric region



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NUTMEG HAMFEST

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Candidates should pre-register at <https://hamstudy.org/sessions>.
Computer tablets for exams will be provided - Contact Jim N1ZN@arrl.net

Vendor Contact

John Yusza, K1LYP
K1LYP@frontier.com
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Inside vendor setup begins at 6:00 AM
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VIA EMAIL: nutmeghamfest@gmail.com



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SATURDAY AUGUST 15th
2:00PM
in the Boxborough Room (W5)

NESMC provides frequency coordination for amateur repeaters in
New Hampshire, Maine, Massachusetts and Rhode Island.

Our Meeting is Open to All
You do not need to be a member to attend our meeting.

www.nesmc.org

Saturday 15 August

in 1884. The pattern of the seismicity in the EUS does not show any clear correlation of activity with geologically mapped faults. The cause of earthquakes in this region remains an enigma and a fascinating mystery that I will explore in this lecture.

1:00 PM — 1:50 PM Wayland W1

Fox hunting; thrill of the chase and satisfaction of construction ~ Charles Nelson, NC7R

Fox hunting basic concepts including useful tools and methods. From basic equipment through more complex methods. Finishing up with a brief look at how you can clone your own Fox.

1:00 PM — 1:50 PM Sterling W2

Two Tower Zoning Permit Cases: CT and MA, Plus Your Questions

Fred Hopengarten, Esq. K1VR & W. Dale Clift, Esq. NA1L (repeated, see Friday @ 1pm)

1:00 PM — 1:50 PM Hudson W3

How to Build and Operate a Two-Meter, QRP Earth-Moon-Earth Amateur Radio Station
William Kelcher, KC1HTT

The goal of this presentation is to give the amateur radio operator an idea of how to successfully build and operate a low power Earth-Moon-Earth radio station. This presentation will describe the KC1HTT two-meter, QRP EME amateur radio station in detail. Included in this presentation are the hardware implementation and EME operations. EME operations are reported, including QSO planning, safety considerations, EME support web sites, and six successful EME QSOs.

1:00 PM — 1:50 PM Sudbury W4

NESMC Board Meeting (closed) ~ Robert DeMattia, K1IW

Executive session meeting for NESMC officers (closed to general public)

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All are Welcome

W1FY.ORG

Saturday 15 August

1:00 PM — 1:50 PM Boxborough W5

Use of LoRa ~ Benjamin Jackson, N1WBV

This presentation examines how the amateur radio is embracing LoRa (Long Range) radio technology as a new frontier in digital communications. Platforms like MeshCom, Mesh-Core, and Meshtastic leverage LoRa's ability to transmit signals at very low power levels over several miles on license-free and amateur radio bands. MeshCom integrates with established infrastructure such as APRS, while Meshtastic offers hams an entry point into mesh networking using off-the-shelf hardware. These technologies open up possibilities for public service, EMCOMM, and experimentation.

1:00 PM — 1:50 PM Southborough W6

Radio Astronomy & Satellites - Awesome Club Activities ~ Bob Phinney, K5TEC

This year we offered a new hands-on introduction to digital radio, satellite communication, and radio astronomy to students and adults at New England Sci-Tech. Using Software Defined Radio (SDR) and homemade antennas, we explored the RF spectrum and captured real signals from aircraft, satellites, and the galaxy. Our students and club leaders will share what we learned so you can try some of these ideas with your club.

1:00 PM — 1:50 PM Northborough W7

NTS: Is It Relevant Today? ~ Marcia Forde, KW1U

The National Traffic System was a flagship program of the ARRL during the 50s, 60s and 70s, prior to the internet. It still exists today with a renewed purpose, new programs and activities. Explore the NTS of today and it's potential for the future in a rapidly changing world.

1:00 PM — 5:00 PM Westborough W8

License Testing Session II ~ MMRA

1:00 PM — 1:50 PM Marlborough W9

**Ham2K Portable Logger, or how to be happy logging on your phone
Sebastian Delmont, KI2D**

An overview of portable operations, like POTA, SOTA, etc, along with why you can use your phone or tablet to log them, and a demo of Ham2K PoLo portable logging features.

2:00 PM — 2:50 PM Atrium Lobby

Kit Building Workshop ~ Bob Phinney, K5TEC (repeated, see Friday @ 1pm)

2:00 PM — 2:50 PM Duchess E1

Using AI to create software for ham radio ~ James Jones, KC1YGY

I discuss and show how I built my own hotspot software and logging software using AI.

2:00 PM — 2:50 PM Seminar E3

FT4/FT8 POTA w/o a Laptop ~ Brian Bodiya, KC1WIH

In this talk, Brian will discuss wsjtr and FT-Activ8. wsjtr is a Rust based FT4/FT8 encoder/decoder that Brian created as a fun learning exercise to better understand the FT4 and FT8 protocols. He will review the aspects of wsjtr that make it a very good fit for low power multi-core devices like phones. This led to the creation of FT-Activ8 - a wsjtr-powered Android app that enables portable FT4/FT8 operation without a laptop.

2:00 PM — 2:50 PM Salon B E4

RF Exposure Overview ~ Gregory Lapin, N9GL

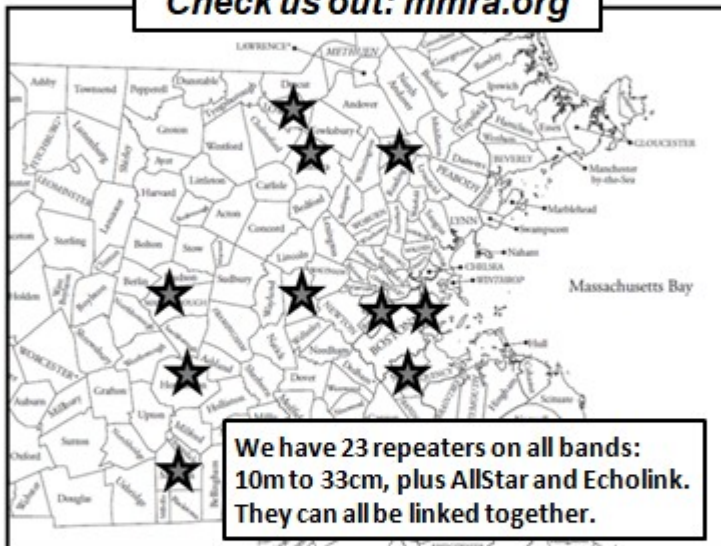
We know about the dangers of RF (or EMF) energy. This presentation summarizes what we know and how we know it. It discusses the physics of RF energy with respect to biological effects, the original safety standard, IEEE C95.1, considerations for the development of safe exposure levels, different aspects of the limits, FCC regulations derived from this standard and how they apply to radio amateurs, epidemiology that shows us the standards have been effective, and, after all of that history, how anti-RF activists still try to scare people about RF.



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- Active fail safe protection trigger: ~250mV peak (-2dbm or 0.6mW)
- Fail safe response time: -45db within 35nS, 135db total <10mS

Do not be fooled by similar products claiming isolation of only 38db, <20mS switching time! That's still 20mS too long, and +12dbm at your SDR! Barely adequate to keep in the magic smoke! In what universe is barely adequate considered enough? SDR Guardian exceeds this spec by such a wide margin that the SDR can actually be used as a station monitor! Don't settle for less. Protect your SDR investment today! Visit qrz.com/db/w1mm for details or scan the QR code. Come by the booth and see it in operation!




Visiting Nantucket? Check in to W1TUK/R. Need Nantucket County, FN42, FN51, VA-046? Contact K2LES, ND1L, W2JH via QRZ. Join us on our net, W1TUK/R Monday nights at 7:30PM.

Saturday 15 August

2:00 PM — 2:50 PM Wayland W1

Foxhunting On a Budget, A Springboard To Club Activity and Growth ~ David Henry, KC1PEN

A look at radio direction finding, focusing on budget equipment to get into radio direction finding. Use of foxhunting to increase club activity level will also be discussed.

2:00 PM — 2:50 PM Sterling W2

The Ins and Outs of RFI A Station Perspective ~ Robert Meneguzzo, K1YO

This as a two-section presentation addressing RFI issues both inside and outside the home. Inside refers to Internal RFI sources (power supplies, appliances, wall warts, routers, lamps and so on). Outside will address external sources (solar energy, power line, electric fences, industrial motor controllers, etc.) Two different presenters will deliver these: Bob Meneguzzo, K1YO for inside and Rob Leiden, K1UI for outside.

2:00 PM — 2:50 PM Hudson W3

VHF Auroral propagation. What we know in 2026 ~ David Olean, K1WHS

A discussion of the requirements for successful Auroral communications on the amateur VHF frequencies such as 50 MHz thru 432 MHz. Some basics of the Earth's magnetic field will be discussed, along with examples of actual contacts made and the geometry involved. Analyzing the propagation paths during Auroral storms is quite a challenge. A few actual contacts on VHF Aurora will be analyzed to provide clues as to how to best utilize auroral DX events.

2:00 PM — 2:50 PM Sudbury W4

Rhode Island Section Forum ~ Mike Corey, K1IU

Join us for our annual Rhode Island Section meeting. An informal session where we hear from Rhode Island Section Coordinators, Rhode Island ARRL members, and do some networking.

2:00 PM — 2:50 PM Buxborough W5

New England Spectrum Management - Annual Meeting ~ Robert DeMattia, K1IW

This is annual meeting of New England Spectrum Management (NESMC), the amateur radio repeater frequency coordinator for Maine, Massachusetts, New Hampshire, and Rhode Island. Repeater owners, users, members, and non members are all invited.

2:00 PM — 2:50 PM Southborough W6

StratoScience 2026 - Ham Radio and Education to New Heights ~ Max Kendall, WOMXX

Learn how high altitude balloon programs can be used to inspire and engage youth to push themselves to new heights. As Amateur Radio operators, high-altitude balloons offer us a low-cost near-space platform for exciting engineering and radio projects. Learn from the New England Weather Balloon Society's successes and failures and see what some of the work students are doing in the StratoScience Lab program this year.

2:00 PM — 3:50 PM Northborough W7

New England Division ARES SEC Forum ~ Charles Chandler, WS1L

This forum is a great opportunity for ARES members to learn more about their individual section ARES programs and learn about their neighboring sections programs including relationships between ARES and partner agencies and other activities ARES may be involved with for public service. It is also an opportunity for New England Section Emergency Coordinators to present updates on ARES in their sections, answer questions about planned ARES activities, and attract prospective ARES participants.

2:00 PM — 2:50 PM Marlborough W9

DXing With DXLab ~ Dave Bernstein, AA6YQ

An introduction to the architecture and implementation of the free-ware DXLab Suite: how it can be used to find and work DX stations in needed regions, countries, zones, and continents.

Saturday 15 August

3:00 PM — 3:50 PM Atrium Lobby

Kit Building Workshop ~ Bob Phinney, K5TEC (repeated, see Friday @ 1pm)

3:00 PM — 3:50 PM Duchess E1

Where HF Radio Is Going and AI along with it! ~ Michael Walker, VA3MW

Michael draws on his work at FlexRadio Systems to explore how AI is beginning to reshape HF operation, from smarter noise reduction and propagation tools to contest and logging assistance. FlexRadio's FLEX-8000 series and Aurora line are purpose-built for this moment, SDR platforms with the processing headroom and software integration needed to run the intelligent tools coming to the modern shack. The fundamentals of bands, antennas, and propagation haven't changed; this session explains how operators who understand both the old truths and the new tools will be the ones with the contact in the log.

3:00 PM — 3:50 PM Seminar E3

FT8 and DX ~ Dennis Egan, W1UE

How to get the most from your FT8 encoding. Topics covered: computer choice and setup for FT DXing, DX tricks, combining RBN and FT modes, contesting setup for Digital Contesting.

3:00 PM — 3:50 PM Salon B E4

Succeeding as a Volunteer for Amateur Radio Public Service Events ~

Zachary Sherman, KC1NXX

Volunteering for an athletic race or community event as an amateur radio operator is very different than ragchewing from the shack. Being part of a large communications team for a dynamic event is not only exciting but also incredibly rewarding. In this presentation, Zachary will draw on his six years of experience as a volunteer for events like the Boston Marathon and Head of the Charles Regatta to help you plan, prepare, and set yourself up for success on the day of the big event.

Saturday 15 August

3:00 PM — 3:50 PM Wayland W1

Fox Hunt Hands-On Training ~ Eliot Mayer, W1MJ

Bring a 2M or 2M/70cm FM walkie-talkie with its stock antenna. If you have an inline attenuator, bring it along (30 dB is a good value). We will do some hands-on training and search together on foot for a fox (hidden transmitter) located somewhere near the convention center. (Repeated Sunday @ 10:00)

3:00 PM — 3:50 PM Sterling W2

Organizing an RFI Team to help find and fix interference ~ Rob Leiden, K1UI

Getting RFI teams organized takes a combination of technical, personal and administrative skills. Its hard work but it pays teams back in the gratitude of and recognition by hams who get help. The teams learn about the science behind RFI, work with the ARRL Lab to resolve tough cases and master troubleshooting techniques.

3:00 PM — 3:50 PM Hudson W3

Stealthy All-Band HF from Attics and Small Spaces ~ Corey Ruth, KD3CR
(repeated, see Friday @ 2pm)

3:00 PM — 3:50 PM Sudbury W4

McElroy - Local Boy Makes Good ~ Edwin Moxon, K1GGI

T. R. McElroy, the World's Champion Telegrapher, was born 125 years ago, September 15, 1901, in Somerville, MA. Famous today for the line of "Mac" keys, at age 19 he "hopped a train for the Cape" and cut his teeth on continental code at the great RCA radiotelegraph station in Chatham, MA, on Cape Cod. On this anniversary, we take a look at his skills as a competitor and his success as a manufacturer.

3:00 PM — 3:50 PM Boxborough W5

How to Build Your Own Passive Radar for Under \$500 ~ Jehan Azad

Passive radar detects aircraft, meteors, and other targets using signals already in the air, such as FM and TV broadcasts, without transmitting. This talk introduces RETINA, an open-source network that turns a software-defined radio and Raspberry Pi 5 into a passive radar system you can run from home. We'll discuss bistatic geometry, how a dual-channel SDR cross-correlates the reference and surveillance inputs, what real detections look like on a live display, and how crowdsourced nodes combine to track targets. You'll leave knowing enough to build and deploy your own node.

3:00 PM — 5:00 PM Southborough W6

YL Meet and Greet Forum ~ Barb Irby, KC1KGS and Diane Ortiz, K2D0

Barb and Diane invite women of all ages to meet other women who are involved or want to be involved with amateur radio. This will be an informal get-together.

3:00 PM — 3:50 PM Marlborough W9

Net Central - a new spin on APRS, nets and EmComm tools ~ John Rokicki, KC1VMZ

Net Central was developed to leverage the power of APRS to bring managed nets to APRS, provide situational awareness of the surrounding HAM infrastructure, and augment reality by extending the set (and intelligence) of APRS objects available for EmComm settings. This presentation will discuss the use cases for Net Central, its unique offering in APRS, and even an interactive demo for those in the audience capable of using APRS on-site.

(Repeated Sunday @ 11:00)



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Celebrating our 80th year!



Saturday 15 August

4:00 PM — 5:00 PM Atrium Lobby

Youth Forum ~ New England Sci-Tech ARS ~ Bob Phinney, K5TEC

What inspires today's youth in the amateur radio hobby? Find out what's on the minds of our youngest hams in this captivating round-table discussion. Great learning opportunity for teachers, scout leaders, or clubs wanting to attract more youth to their local radio clubs.

4:00 PM — 5:00 PM Duchess E1

AI and Modern Wireless Communication Systems ~ Kaushik Satheesh Kumar, KC1WNO

This presentation provides a high-level introduction to artificial intelligence and its relevance to amateur radio and wireless communications. It focuses on building insight into emerging AI technology in ham radio through weak-signal decoding, interference detection, and propagation prediction for operators and enthusiasts.

4:00 PM — 5:00 PM Seminar E3

Finding and Chasing DX with FT8 ~ Larry Banks, W1DYJ

You have been using FT8 for a while. You are interested in increasing your DX totals and wonder what all of this Fox/Hound and SuperFox stuff is all about. *Plus you want to be better at finding the DX!* I will review some FT8 and DX basics, discuss FT8 DX modes like Fox/Hound and SuperFox, and end with some methods to find and track the DX you seek. **(Repeated Sunday @ 11:00)**

4:00 PM — 5:00 PM Wayland W1

Successful Scanning in 2026 ~ Scott Halligan, KC1UA

Lots has changed since we used to plug crystals into a scanner, or even punch frequencies in manually. As radio system technology has advanced, so have scanners! This discussion will show you what's available in 2026, and what we are up against both technology-wise and encryption-wise, along with how Scanner Master determines the best approach to getting you scanning in your area.

4:00 PM — 5:00 PM Sterling W2

An Optimized High Power Magnetic Loop Antenna ~ Ted Robinson, K1QAR

A magnetic field antenna is potentially more efficient than a dipole, but has extremely low radiation resistance. This presentation will detail its engineering challenges, and how they can be solved cost effectively to make an antenna that is 1/10 the size of a dipole with minimal construction time. Warning: Its not cheap, and its high energy concentration in a small space can be dangerous.

4:00 PM — 5:00 PM Hudson W3

Use antenna principles to get out from difficult locations ~ Robert Glorioso, W1IS

Knowing the principles of antennas is basic to knowing how to get antennas to work where you least expect them to work. We will present the concepts you need to succeed including a few examples and descriptions of inexpensive wire antennas you can build yourself.

4:00 PM — 5:00 PM Buxborough W5

The Story of the ENIGMA: History, Technology and Deciphering Tom Perera W1TP & Michael Crestohl, W1RC

The German Enigma machine was used throughout WWII and proved to be an excellent, secure and durable device for hiding the German military communications. Cracking the

Saturday 15 August

Enigma codes and defeating the German forces will be described as well as the continuing search for examples of these rare machines.

4:00 PM — 5:00 PM Northborough W7

LICW and Renaissance of Morse Code ~ Greg Algieri, WA1JXR

What began as a effort to train CW operators for Field Day 2017 has evolved into a community of 8000+ members, united by a passion for CW. The presentation covers how the club rebuilt its teaching method from, inspired by Ludwig Koch's research. The clubs inclusive culture highlights support for operators with disabilities, the growth of a strong youth program, and a unique haptic device enabling CW learning through vibration. With a focus on respect, community-driven leadership, and accessible education, the Long Island CW Club continues to redefine what modern Morse code instruction can be.

4:00 PM — 5:00 PM Marlborough W9

Remote Station on the Cheap ~ Aaron Addison, KF1G

A low cost way, using open source tools to build a remote station. Work the world from your phone/tablet/laptop anywhere you have internet.

7:00 — 9:00 PM Salon A/B E-2/4

Saturday Banquet

Katie Campbell, KE8LQR

Katie epitomizes the very best of our next generation of radio amateurs. Katie was licensed in 2019 at ten years old in early middle school. Her predominant interests in amateur radio at the moment are CW and contesting. She's an active member of the North Coast Contesters and the Bavarian Contest Club. KE8LQR currently serves on the working group of Youth on the Air for the Americas as their public relations manager. She taught classes for the Long Island CW Club kids program. She's also served on the board of the Young Ladies Radio League as their youth representative.

Door Prize: YAESU FT-710 HF/50 MHz 100w Transceiver

Evening Activity

9:00 PM — 11:00 PM Atrium Lobby

Open Mic Storytelling ~ Phil Temples, K9HI

Perhaps ham radio impacted your life in a way you couldn't have imagined? Now's the time to share your ham radio-related story! This event will allow each participant to tell the audience their unique ham radio story.

Sunday 16 August

10:00 — 10:50 AM Wayland W1

Military Auxiliary Radio System (MARS) and Shared Resources (SHARES) Awareness Tom Kinahan, N1CPE

The Amateur Radio Operator has many outlets to exercise their communications skills. MARS and SHARES are opportunities to work with Federal Government Agencies including the Department of Defense, and Department of Homeland Security and all Federal Government agencies using HF radio.

10:00 — 10:50 AM Sterling W2

Fox Hunt Hands-On Training ~ Eliot Mayer, W1MJ (repeated, see Saturday @ 3pm)

10:00 AM — 12 Noon Westborough W8

License Testing Session III ~ MMRA

10:00 AM — 1:00 PM Marlborough W9

Technician Toolkit Redux

Jimmy Suprenant AB1DQ, Rob Jackson N1RWJ & Mark Noe KE1IU

This session will be a repeat of several talks from the Friday @ 11:00 AM Toolkit Workshop.

Sessions: HF for the Technician; Satellite Operations: Getting the Most of Local 2 Meter Nets

11:00 — 11:50 AM Dutchess E1

Finding and Chasing DX with FT8 ~ Larry Banks, W1DYJ (repeated, see Saturday @ 4pm)

Sunday 16 August

11:00 — 1:00 PM Seminar E3

Net Central - a new spin on APRS, Nets and Emcomm tools ~ John Rokicki, KC1VMZ (repeated, see Saturday @ 3pm)

11:00 — 11:50 AM Wayland W1

MARS Meeting (closed) ~ Tom Kinahan, N1CPE

MARS Member Meeting (only for MARS members)

11:00 — 11:50 AM Sterling E1

POTA Activations Finding and Researching a Park ~ Brian Home, N1BAM (repeated, see Saturday @ 1pm)

1200 — 12:50 AM Dutchess E1

Introduction to the MMRA and Raffle ~ Dave Hornbaker, N1DCH

This presentation will cover the MMRA repeater network and history. It will be followed by a raffle.

1:00—2:30 Salon A/B E2/4

Closing Ceremony & Prize Drawings

Closing remarks by the committee, followed by the grand finale door prize drawings. You need not be present to win the Grand Prizes, however you must be present to win the many, many smaller prizes which are also offered.

Grand Prizes

Flex 8400

ICOM IC-7300 MK2

Elecraft KH1 Edgewood

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2m repeater 146.955, -split, tone 88.5hz
220mhz repeater 224.34, -split, tone 100hz
www.barnstablearc.org

Thank you for attending!

See you next year!

Northeast
HamXposition

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FEMARA Inc. is a Massachusetts non-profit corporation that sponsors and runs the ARRL New England Convention. The group, which has been in existence for over 37 years, began as a consortium of area radio clubs. FEMARA is qualified under IRS 501(c)(3). Donations to FEMARA are deductible as allowed by IRS regulations. Our mission: To support the ARRL Foundation's Scholarship Program by offering the richest and most comprehensive ARRL convention in the country.

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