



# MARANews



February, 2019  
Volume 57 Issue 02

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Our next meeting February 19, 2019 at 6:30pm at the Bridgewater Public Library

Our March meeting is March 19th

## **Membership Renewal**

With the beginning of each year comes the time for membership renewal and the payment of dues. Since Washington did not fall off the cliff I guess it is all right to use US dollars to make payment. You can bring your check to the next meeting or send it along to our post office box at **MARA P.O. Box 428 Bridgewater, MA 02324**. Our smiling treasurer will be happy to see or hear from you.

## **Presidents KC1CFO Denise Sisson**



## **Presidents Notes from KC1CFO Denise Sisson**

MARA Facebook page: Our Massasoit Amateur Radio Association Facebook page with club events, meetings, photos, etc. is occasionally updated so that it may be another resource for us on which to spark interest in our club, amateur radio and keep members informed of what we are doing outside of our club meetings and in our community. If you go to the “about” tab on our page you can find our <http://www.w1mv.org/> web page for our present and past newsletters and other club information. Please send Rick - kb1tee@gmail.com and Denise KC1CFO denigs1@aol.com any articles or photos you would like to see in our MARA newsletter, W1MV-MARA Website and Facebook page. Jeff N1ZZN has created a link to twitter to help get the word out even more!

Happy February to all. It will be spring before we know it.

Phil is working on getting everything coordinated to get the new antenna up. Having to have a two or three day notice with, plus working with the weather ect, it has been a project, we will keep you informed as to what the progress is.

We would like to welcome three new members:

Wendy White KC1GTR

Carmelo Serrano K1BAD

Santos Hernandez KC1KRH

Please let us know if you have any ideas for speakers and or presenters.

Also we are in need of a newsletter person as Rick will be leaving this position, Rick thank you for all your hard work in getting the newsletter out every month, you will be miss, our best to you and your upcoming changes in life.

73 Denise KC1CFO

President-Massasoit Amateur Radio Association

#### **SECRETARY'S NOTES - MARA MEETING 1/15/2019 - ROBERT SISSON, N1RTS**

**OPEN:** President Denise KC1CFO opened the meeting at 6:35 pm, 1/15/2019.

**ATTENDANCE:** 7 members were present including 4 elected officers.

**N1XTB Phil McNamara (Tres)**

**N1ZZN Jeff Lehmann (V.P.)**

**KC1CFO Denise Sisson (President) N1RTS Robert Sisson (sec)**

**N1QI Loren Pimentel**

**KA1YL Connie Franciosi**

**W1VP Larry Kenney**

#### **MEETING MINUTES:**

Motion to accept the November 2018 MARA Secretary's report was made by Loren N1QI and seconded by Connie KA1YL. All in favor, 0 opposed.

Club Treasurer Phil N1TB presented November/December 2018 treasures report. Motion was made by Loren N1QI, second by Connie KA1YL, all in favor, 0 opposed.

#### **Repeater Report:**

Phil N1TB is working hard to get the repeater up and running, we are still looking for bids for a fair price to install the new antenna, the person is required to have liability insurance with a copy of said insurance. Plus there is a two day notice for the town, and so getting everything together, and have the weather cooperate has been a challenge.

Rick is stepping down from putting together and publishing the newsletter, so we will be in need of a new person to take over this position. Rick, many thanks from the club for the wonderful newsletters you have put together over the years. You will be greatly missed.

Larry W1VP made a motion to appropriate \$1000.00 for the climber to put up the antenna plus anything else that is needed. Loren N1QI second the motion, all in favor, 0 opposed.

We welcomed three new members to our club: Wendy White KC1GTR, Carmelo Serrano K1BAD, and Santos Hernandez KC1KRH, all voting members voted them in unanimously.

Larry W1VP made a motion to adjourn the meeting at 7:30 pm, Loren N1QI second the motion, all in favor, 0 opposed.

## **Thank you from KB1TEE Rick Emord**

I would like to thank all of those who helped me over the years with this newsletter. Many have contributed with articles, pictures, and the offerings of criticism that helped me to produce the news. Many people have received my version of the newsletter members and nonmembers. I have always tried to find articles and club events so many have sent to me this information. I will miss doing this newsletter I truly enjoyed the last articles for movie and TV use of radios. So many media programs are available about movies and shows that I did not even remember until reading about them. My favorite was the holiday famous amateur radio operators so many fantastic celebrities.

I hope that someone will pick up the newsletter most of the articles come off of the ARRL, Google, and youtube. Thank You all!

## **ISS Packet Radio System is Back in Operation with New Equipment**

The Amateur Radio on the International Space Station ([ARRL](#)) packet system is back on the air with new equipment. The replacement gear arrived last November and had been awaiting unpacking and installation. ARISS hardware team members on the ground were able to locate a functional duplicate of the old ISS packet TNC module that had been in operation for 17 years and had become intermittent. Crew members installed the new module on February 2; the RF gear remains the same.

The ISS packet system, located in the ISS *Columbus* module, went down in July 2017, but it unexpectedly came back to life the following summer. The packet system operates on 145.825 MHz. ARISS is an official back-up system for astronauts to talk with Mission Control in the unlikely failure of the station's primary communication systems. In 2017, hams relayed nearly 89,000 packet messages via the ISS; response to its recent return has been enthusiastic, ARISS said. [Contribute](#) to the all-new radio system set to launch this year via the ARISS website. For more information, contact ARISS-International Chair [Frank Bauer, KA3HDO](#), or ARISS ARRL Delegate [Rosalie White, K1STO](#). — *Thanks to ARISS*

## **Radio Amateurs Position to Support Emergency Communication in Tsunami's Wake**

Radio amateurs in Indonesia's Banten Province are in position to support emergency any necessary emergency communication in the wake of a "stealth tsunami" on December 22, that struck without warning. Indonesia's Meteorology, Climatology and Geophysics Agency concluded that a volcanic eruption triggered a landslide underwater at Anak Krakatau.

The tsunami struck in the Sunda Strait between the islands of Java and Sumatra, which connects the Java Sea to the Indian Ocean. Rescue and relief activities are under way. The death toll is expected to top 400, and many people are reported to be still missing. Fatalities occurred in the Pandeglang, South Lampung, and Serang regions of Indonesia. Some 1,500 people were reported injured.

IARU Region 3 Disaster Communications Coordinator Dani Hidayat YB2TJV, said ORARI, Indonesia's IARU member-society, would use 7.110 MHz for any relief and recover communication. An ORARI CORE emergency team is using a VHF repeater for regional communication. ORARI reported that the LAPAN A2 satellite (IO-86) was being pressed into service for emergency communication purposes during the relief and recovery effort. IO-86 should not be used at this time for non-emergency traffic. "ORARI Daerah Banten, immediately deployed the CORE ORARI Banten team to Cilegon and Serang where the disaster occurred to help the existing volunteer team," said a report on the ORARI website.

"The disaster management agency warned that the death toll is likely to rise further," Hidayat said. Some believe that high seas resulting from the full moon may have contributed to the force of the waves. The disaster management agency said hundreds of buildings were damaged.

## Young Amateurs Radio Club Wants to Pair Youthful Contesters with "Big Gun" Stations

The Young Amateurs Radio Club ([YARC](#)) Youth Contesting Program ([YCP](#)) wants to match groups of enthusiastic young contesters with "big gun" stations to gain operating experience during the [CQ World Wide WPX SSB Contest](#) over the March 30 - 31 weekend. The YCP is a weekend initiative for groups of young Amateur Radio contesters in the US and Canada.

"It will hopefully enable a new dimension of the hobby [for] young hams who have contested a little before, and set a new precedent for the welcoming of a new generation of radiosport aficionados," explained YARC Board Member Sterling Mann, N0SSC. The 27-year-old electrical engineer, who helps manage YARC programs and outreach, described the initiative as "intentionally flexible, lightly organized, and low-cost."

"We will attempt to pair a small group (up to four) of young contesters interested in operating with a 'big gun' station owner interested in hosting the youth group," continued Mann, an ARRL member active in the College Amateur Radio Initiative ([CARI](#)). "The contesters will operate from the station, and the host has the option to help the youth improve their skills, provide advice, and even operate alongside. We will try to keep it such that young hams will only require a relatively short drive."



**Sterling Mann, N0SSC, during the Solar Eclipse QSO Party in 2017.**

YARC's YCP is inspired by the efforts of Youngsters on the Air ([YOTA](#)) and its own [Youth Contesting Program](#), as well as [Team Exuberance](#), Mann said. He added, "We hope to inspire a big chunk of young hams into becoming the greatest contesters of the 21st century."

YARC is reaching out to radio amateurs under age 27 or so with at least some contesting experience who would be interested in operating the CQ WW WPX SSB at a contest-grade ham radio station, and to owners of such stations. He urges those interested to [sign up](#) (scroll down on their website to select your role of station host or operator).

YARC hopes to announce matches on March 1. [Email](#) with any questions or comments.

## Can learning ham radio make for better engineers and software developers?



**Retired Senior Chief Information System Technician Lee Moburg, a wireless amateur radio (HAM) operator, manned the HAM radio at Naval Hospital Bremerton during a 2016 exercise. Some Navy leaders are turning to ham radios to improve understanding of electronic warfare. (Douglas H Stutz/ U.S. Navy)**

When a group of Navy engineers and software developers took time away from their day jobs in December, they spent the time pursuing a task long considered passe: they became licensed amateur radio operators. Some 23 employees from Naval Air Warfare Center Weapons Division (NAWCWD) took a week-long class in amateur radio at Point Mugu, California culminating with an FCC amateur radio license test. All passed and are certified at the “technician” level for amateur radio operation.

Now, Navy officials say the move may make the workers better at their jobs. The staff gained an understanding of radio frequency (RF) propagation that’s essential to what they do, said Brian Hill, electromagnetic maneuver warfare experimentation lead and collaborative electronic warfare supervisor at NAWCWD. Hill, who earned his amateur radio license in high school, noticed that while most of his department’s recent hires had degrees in computer science, many had little background in RF theory or operation. “You can explain antenna patterns and concepts like omni-directional vs directional using Smith charts, but it’s helpful to add a demonstration to really convey the concept,” Hill said. “You can explain modulation as a concept, but for a demo... let them listen to how modulated digital signals with audio frequencies sound... For those who never knew the joy of hearing a 2400 bps modem connect over a telephone line, it was a new concept!”

These concepts are central to electromagnetic maneuver warfare. “We need to be able to have awareness of all threats and opportunities from [zero frequency] to light within an integrated system,” Hill said. “Our adversaries are looking at the entire spectrum to use against us, and we need to do the same. Having awareness of how the atmosphere changes from daylight to night and how that affects propagation of [high frequency] is important.”

This can be critical for young developers/engineers whose experience is typically limited to the UHF/EHF-based systems now in vogue across communications, guidance and ISR technologies. When Ian Mann, the division’s target design engineering branch head, heard about Hill’s class, he wanted his team to attend as well. Having earned his own license, when he previously worked at drone-maker Aerovironment, Mann knew the course could help inspire ideas among engineers.

“When I talked to Brian and found out his small class was already on a waiting list, I knew we needed to make the class bigger,” he said. “Many of our engineers know their specializations, but rarely does an aeronautical engineer think about how he changes the polarization of the C2 antenna when the airplane banks for a turn. They are not just moving the airplane but the antenna too. This has already started conversations and I hope many more continue.”

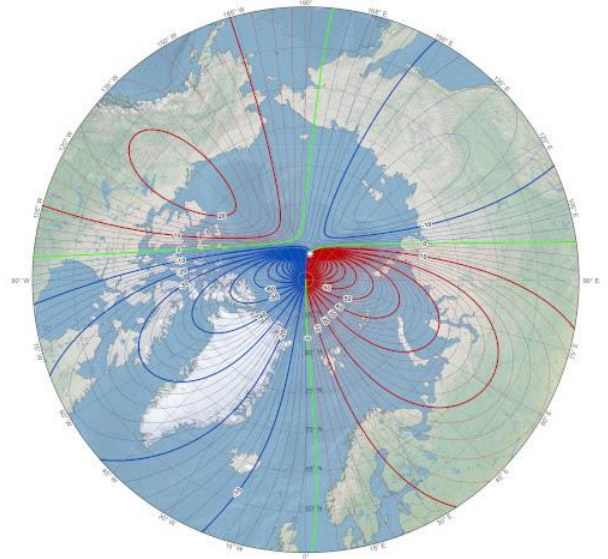
Taught by a local amateur radio instructor, students enjoyed the course, he said. “It was worth the effort and people are already asking to go to the next class offering,” Mann said. “We are looking at doing a fox hunt soon,” Hill said. “The team will design a directional antenna, actually build it in class, and then use their antennas to find a hidden RF beacon somewhere on base.” Similar plans for developers to get hands-on experience performing basic electronic warfare support functions are in the works as are potential cross-disciplinary classes in additive manufacturing. As for a new amateur radio “handle” for the Point Mugu hams, Hill suggested borrowing from history and the term for an expert in electronic warfare. “How about CROW?”

## **Earth's Magnetic North Pole Shifts toward Siberia**

National Centers for Environmental Information ([NCEI](#)) scientists have updated the world magnetic model (WMM) mid-cycle, as Earth's northern magnetic pole has begun shifting quickly away from the Canadian Arctic and toward Siberia, an [NCEI report](#) said this week. While the new WMM more accurately represents the change of the magnetic field since 2015, it has no impact on propagation.

Updated versions of the WMM are typically released every 5 years. This update comes about 1 year early.

"This out-of-cycle update before next year's official release of WMM 2020 will ensure safe navigation for military applications, commercial airlines, search and rescue operations, and others operating around the North Pole," said NCEI, which is part of the National Oceanographic and Atmospheric Administration (NOAA). "Organizations such as NASA, the Federal Aviation Administration, US Forest Service, and many more use this technology. The military uses the WMM for undersea and aircraft navigation, parachute deployment, and more." Other governmental entities use the technology for surveying and mapping, satellite/antenna tracking, and air traffic management. Smartphone and consumer electronics companies also rely on the WMM to provide consumers with accurate compass apps, maps, and GPS services.



Airport runways may be the most visible example of a navigation aid updated to match shifts in Earth's magnetic field. Airports around the country use the data to give runways numerical names, which pilots refer to on the ground. The declination has changed slightly more than 2.5° over the past 2 decades or so. Compasses use declination -- the difference between true north and where a compass points -- to help correct navigation systems for a wide variety of uses. Read [more](#). -- *Thanks to NOAA-NCEI*

## **Brief ARRL Website Outage Planned for Wednesday, February 13**

Some services on the ARRL website may be interrupted briefly on Wednesday, February 13, sometime between 1100 UTC and 1300 UTC. This outage is to accommodate a hardware test of the existing failover system for all systems behind the Rackspace firewall. Affected systems are the main website, including the ARRL Store and contesting-related pages. Logbook of The World (LoTW), email, and Headquarters will not be affected. We apologize for any inconvenience

# Dayton Hamvention® and

## 2019 ARRL National Convention

Get  
There!

Make your plans now to attend the worldwide gathering of Amateur Radio enthusiasts and friends at Dayton Hamvention®, host of the 2019 ARRL National Convention.

### **Theme: Mentoring the Next Generation**

Discover opportunities to lead new and inexperienced radio amateurs to become more active, involved, and engaged. Experience the very best of ham radio!

### **Save the Date**

**May 17 - 19, 2019**

**Greene County Fairgrounds  
and Expo Center  
Xenia, Ohio**

### **Tickets**

**\$22 advance \$27 at gate  
Includes admission  
for all three days  
[www.hamvention.org](http://www.hamvention.org)**

### **Featuring**

**Exhibits and Flea Market  
Forums and Activities  
Networking  
...and more!**

### **National Weather Service Dropping High Seas and Storm Warnings on WWV/WWVH**

The National Weather Service (NWS) is discontinuing its high seas and storm warnings transmitted via National Institute of Science and Technology (NIST) WWV/WWVH time and frequency-standard HF transmissions, starting January 31 at 1800 UTC. The NWS warnings are aimed at the Atlantic, the Gulf of Mexico, and the Pacific. "This service is being terminated because weather information in the current broadcast format does not support frequent-enough updates for changes in marine weather and cannot provide enough detail in the allotted window required by mariners to avoid hazardous weather," NWS said in announcing the discontinuation. "Additionally, alternative technologies and numerous media outlets that provide weather information in various formats have overtaken the need for providing weather information through the NIST frequency signals."

The NWS said other sources of marine weather information, high seas alerts, and detailed forecasts are available over satellite, telephone, the internet, marine fax, radio fax, and VHF radio. The NWS, US Coast Guard, and US Navy provide multiple dissemination methods for storm positioning, high sea areas, observations, forecasts, outlooks, and warnings for both coastal and oceanic marine zones near the US, all through a variety of technologies, including [NAVTEX](#) and the [Global Maritime Distress and Safety System](#) (GMDSS).



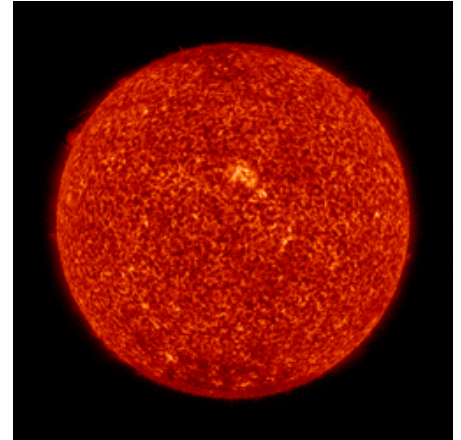
## The K7RA Solar Update

Tad Cook, K7RA, Seattle, reports: Solar wind pushed geomagnetic indicators higher on February 1 - 2. The average planetary A index rose from 7 (for the 7 days ending January 30) to 11.6 on January 31 - February 6. When geomagnetic conditions are active, we usually see higher indices at high latitudes. Alaska's college A index (measured near Fairbanks) was 40 on February 1, indicating disturbed conditions for the higher latitudes, with a great deal of absorption rather than reflection of HF radio waves.

No sunspots were recorded over this period, so average daily sunspot numbers plunged from 19.6 to 0. The average daily solar flux declined from 74.5 to 71.1.

Predicted solar flux for the next 45 days is 70 on February 7 - 14; 72 on February 15 - 25; 71 on February 26 - March 11, and 72 on March 12 - 23. Note: No predicted flux values below 70.

Predicted planetary A index is 10, 15, 12, and 8 on February 7 - 10; 5 on February 11 - 18; 12, 20, 12, and 8 on February 19 - 22; 5 on February 23 - 26; 12 on February 27; 15 on February 28 - March 1; 10, 8, 12, and 8 on March 2 - 5; 5 on March 6 - 17; 12, 20, 12, and 8 on March 18 - 21, and 5 on March 22 - 23.



## Near Fest

03-04 May 2019 Deerfield Fair, Deerfield, NH [USA](#)

Near Fest will feature buddipole in the field, introduction to radio contesting, introduction to software defined radio using inexpensive USB tv tuner sticks, more r390a fun with George rancour, dmr new England update, awards and door prize drawing and much more.

## Algonquin ARC Flea Market

HAMFEST/CONVENTION

02/15/2014 **Location:** Marlborough 1Lt Charles W. Whitcomb School (Middle School) 25 Union Street Marlborough, MA 01752 **Website:** <http://n1em.org> **Talk-In:** 147.27+ (PL 146.2) **Public Contact:** Timothy Ikeda , KA1OS

7 Birchwood Road Hudson, MA 01749

Phone: 508-919-6136 (before 9 P

**Email:** [fleamarket@n1em.org](mailto:fleamarket@n1em.org)

## Seacoast amateur radio flea market

Hampton NH sponsored by the Port City amateur radio club 8am-NOON April 13<sup>th</sup> at the St James masonic lodge 77 Tide Mill Rd Hampton NH \$5 admission fee children under 12 free, door prize. Tables 6 foot \$10, food and beverages available VE session follows the flea market

## New England Area Ham - Electronic Flea Market DATES 2019

16 Feb Marlboro MA AARC @MidSch	Timothy KA1OS 508 919 6136 A+
16 Feb Augusta ME AARA #Calumet	Bill K1NIT 207 512 0312 A+
23 Feb S Burlington VT RAoNV @HI I89x14 \$9@8 \$15@6	Mitch W1SJ 802 879 6589
3 Mar Nashua NH NEARC/NEVEC Radio50@Marriot CourtYard @8A	603 772 7516 F+
9 Mar Chicopee MA MtTomARA @Castle \$5@8:30 S@6:30	Brian N1FI 860 478 6790 +
17 March Henniker NH CVRC #MidSch	Larry KB1RIJ 603 496 2089 A+
24 Mar Southington CT SARA \$5@8@HS \$20/sp@6:45	John WA1JKR 860 621 8791 F+
29,30 Mar Lewiston ME AARC ME Conv @Ramada @8	Ivan N1OXA 207 784 0350 +
7 April Framingham MA FARA 9AM@KeefeHS \$25/T	Andy KC1DMM 508 310 5913 +
21 April Cambridge MA Flea at MIT Third Sunday April thru October	Mitch 617 253 3776 F+
28 April Thompson CT ECARA @ Raceway \$3 \$15/sp	Jon KA1MPG 508 943 4467 F+
3-4 May Deerfield NH NEARfest XXV @FG	Mike K1TWF 978 250 1235 +
12 May E Greenbush NY EGARA FireCo	Bryan W2RBJ 518 894 3500 A+
18 May Brookline NH NEARC antique	603 772 7516 +
19 May Cambridge MA Flea at MIT	Mitch 617 253 3776 F+
2 June Queens, NY HOSARC @HOS	Stephen WB2KDG 718 898 5599 A+
16 June Cambridge MA Flea at MIT	Mitch 617 253 3776 F+
21 July Cambridge MA Flea at MIT	Mitch 617 253 3776 F+
18 August Cambridge MA Flea at MIT	Mitch 617 253 3776 F+
25 Aug Newtown CT CARA @TownHall \$7@8 \$20/T	John W1JGM 203 417 0160 +
28 Sept Brookline NH NEARC antique	603 772 7516 +
15 Sept Cambridge MA Flea at MIT	Mitch 617 253 3776 F+
11,12 Oct Deerfield NH NEARfest XXVI @FG	Mike K1TWF 978 250 1235 +
20 October Cambridge MA Flea at MIT	Mitch 617 253 3776 F+

## **W1BSA event April 27 2018 1000-1500**

The annual W1BSA event will take place April 27, 2019. I hope you will make it out to the USS Massachusetts ward room to operate for such a great event. Last year we set up three dipoles and two vertical antenna's. We set up four radios on Saturday thank you to all who participated in the past years and hopefully we can have another great event.



W1BSA QSL cards

## **HamCation Orlando 2019**

Central Florida Fairgrounds and Expo Park February 8th - 10th, 2019



**Anyone recognize these two**

## Just Ahead in Radiosport

- February 9 -- Asia-Pacific Spring Sprint, CW
- February 9 -- FISTS Winter Unlimited Sprint (CW)
- February 9 -- RSGB 1.8 MHz Contest (CW)
- February 9 - 10 -- CQ World Wide RTTY WPX
- February 9 -10 -- SARL Field Day Contest (CW, phone, digital)
- February 9 - 10 -- Dutch PACC Contest (CW, phone)
- February 9 - 10 --KJ Topband Contest CW
- February 9 - 10 -- SKCC Weekend Sprintathon
- February 9 - 11 -- YLRL YL-OM Contest (CW, phone, digital)
- February 9 - 10 -- OMISS QSO Party (Phone)
- February 10 -- Balkan HF Contest (CW, phone)
- February 11 -- CQC Winter QSO Party (CW)
- February 11 -- 4 States QRP Group Second Sunday Sprint (CW, phone)
- February 11 - 15 -- ARRL School Club Roundup (CW, phone, digital)
- February 13 -- NAQCC CW Sprint
- February 13 -- RSGB 80-Meter Club Championship, Data
- February 14 -- PODXS 070 Club Valentine Sprint Digital

See the [ARRL Contest Calendar](#) for more information. For in-depth reporting on Amateur Radio contesting, subscribe to [The ARRL Contest Update](#) via your ARRL member profile email preferences.



### **HAM RADIO LOCAL AREA NETS**

If you know of a Ham Radio Local Area Net that is not listed here, a typo on the information, or a Net listed which is no longer active, please contact John – N1UMJ at: [N1UMJ@arrl.net](mailto:N1UMJ@arrl.net), so this list can be updated. All Frequencies are in MHz and 6 Meters (50.0 MHz and up.), are FM Mode unless otherwise noted. Thanks!

Sunday: WA1NPO – WARPSN Net, 8:30 AM, Whitman ARC Rptr, 147.225 +, PL 67.0

8:45 AM New England phone net, 3.945 +/- LSB

NE Cracker Barrel Net, 7:00 PM Daily (Matt – W1AEM, NCO on Sun), 3.921.00 MHz LSB

Pilgrim Amateur Wireless Assoc. 10 Meter Net, 7:00 PM, 28.375.0 USB

Cape & Island Traffic Net, Mon. Tue. Thur. St. Night at 7:30 PM, Falmouth N1YHS Rptr, 147.375 + PL 110.9

Genesis ARC CW Training Net, 7:00 PM, Plymouth N1ZIZ Rptr, 146.685 – PL 131.8

Eastern MA 2 Mtr Traffic Net, Every Night at 8:00 PM, Boston W1BOS Rptr, 145.230 – PL 88.5

Norfolk County Radio Association Net, 8:00 PM, Walpole Rptr, 146.895 – PL 123.0

Monday: Cape and Islands Weather Net, 6:00 AM, Mon – Sat, Dennis K1PBO Rptr, 146.955 – PL 88.5

Fairhaven Weather Net, 8:00 PM, SEMARA Rptr, 147.000 + PL 67.0

Norfolk County Emergency Preparedness Net, 8:00 PM, Walpole Rptr, 146.895 – PL 123.0

New England DMR net, DMR-MARC repeaters talk group 3181 New England

Falmouth ARA Net, 8:30 PM, Falmouth K1RK Rptr, 146.655 – PL 88.5

Boston ARC Rag Chew Net, 9:00 PM, Boston W1BOS Rptr, 145.230 – PL 88.5

Tuesday: Massasoit ARA Net, 8:00 PM, Bridgewater W1MV Rptr, 147.180 + PL 67.0 (Except 3rd Tue!)

Genesis ARC 2 Mtr Rag-Chew Net, 7:30 PM, Plymouth N1ZIZ Rptr, 146.685 – PL 131.8

Fairhaven Weather Net, 8:00 PM, SEMARA Rptr, 147.000 + PL 67.0

Norwood Amateur Radio Club Net, 8:00 PM, Norwood Rptr, 147.210 + PL 100.0

220 MHz Day! Try to find a 220 Repeater near you and give a call out!

Wednesday: Whitman ARC 10 Meter Rag-Chew Net, 8:00 PM, 28.333.0 USB (Except 1 st Wed!)

Blackstone Valley ARC , 2 Mtr Simplex Net, 7:00 PM, 146.565

Fairhaven Weather Net, 8:00 PM, SEMARA Rptr, 147.000 + PL 67.0

Cape and Islands ARES Net, 8:00 PM, Dennis K1PBO Rptr, 146.955 – PL 88.5

Waltham Wranglers Swap Net. 9:00 PM, Waltham W1MHL Rptr , 146.64 – PL 136.5

Thursday: Fairhaven Weather Net, 8:00 PM, SEMARA Rptr, 147.000 + PL 67.0

Genesis ARC CW Training Net, 7:00 PM, Plymouth N1ZIZ Rptr, 146.685 – PL 131.8

10 Mtr General Class Rag-Chew Net, 8:00 PM, 29.470.0 FM

Sturdy Mem. Hosp. ARC ARES Practice Net, 8:30 PM, K1SMH Rptr, 147.195 + PL 127.3

900 MHz Day! Try to find a 900 Repeater near you and give a call out!

Friday: Fairhaven Weather Net, 8:00 PM, SEMARA Rptr, 147.000 + PL 67.0

Saturday: South Shore Skywarn Net, 8:00 PM, Bridgewater W1MV Rptr, 147.180 + PL 67.0

\*VKEMCOMM\* Echolink Conference node: 270177/IRLP 9508 (due to \*WX-TALK\* Echolink

conference node: 7203/IRLP 9219 outage) Refer to: <http://www.voipwx.net/>

## **Massasoit Amateur Radio Association Executive board**

President Denise Sisson KC1CFO  
Vice President Jeff Lehmann N1ZZN

Treasurer: Phil McNamara N1XTB

Secretary:

Call sign Trustee: Phil McNamara N1XTB

Repeater Trustees: Carl Aveni N1FY., Lou Harris N1UEC, Bob Mandeville N1EDM

**2M Repeater** 147.180+ (Tone 67.0)

**440 Repeater** 444.550+ (Tone 88.5)

**APRS Node** Node 144.39 W1MV-1

**Packet BBS** 145.09 N1XTB-4

**Packet Node Brockton** 145.09 W1JOE-7 (BROCK)

**MARA Web page** <http://www.w1mv.org/>

**Newsletter Editor** [kb1tee@gmail.com](mailto:kb1tee@gmail.com)

**WARC Web Page** <http://www.wa1npo.org>

**Qsl via** [www.eqsl.cc](http://www.eqsl.cc)

**Skywarn** [www.powersrvcs.org/w1gmf/skywarn.htm](http://www.powersrvcs.org/w1gmf/skywarn.htm)

**Mailing Address** P.O. Box 428 Bridgewater, MA 02324

**Monthly meetings** are held the 3<sup>rd</sup> Tuesday of each month at 6:30PM at the Bridgewater Public Library in Bridgewater Center. Talk-in is on 147.180+

Our **Meetings-On-The-Air** are held all other Tuesday evenings at 8PM on 147.180+ and includes the Westlink News Report with the latest news about happenings in the world of Amateur Radio.

The **South Shore Skywarn Net** is held every Saturday evening at 8PM local time on 147.180+ and is open to all hams.

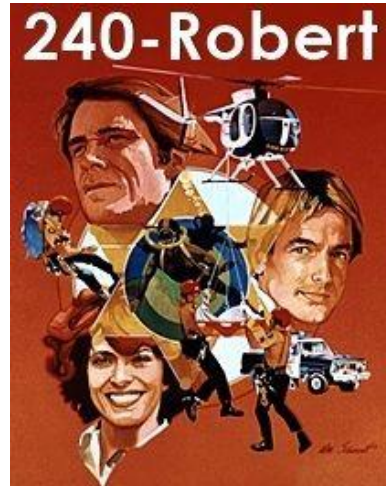
**VE Exams** are held the 2<sup>nd</sup> Saturday of every month, in Braintree contact Steve Cohen , W1OD via email w1od@arrrl.net. Walk-ins are no longer permitted. We will be hosting VE exams at 8:45 at the Watson building. If you know of anyone planning to take an exam, please have them drop a note to Steve to confirm a reservation.

**We are in need of a newsletter editor as of February I will not have time to do the news for our club please step up and keep it going**

**Rick KB1TEE**

**Editor Rick Emord KB1TEE**

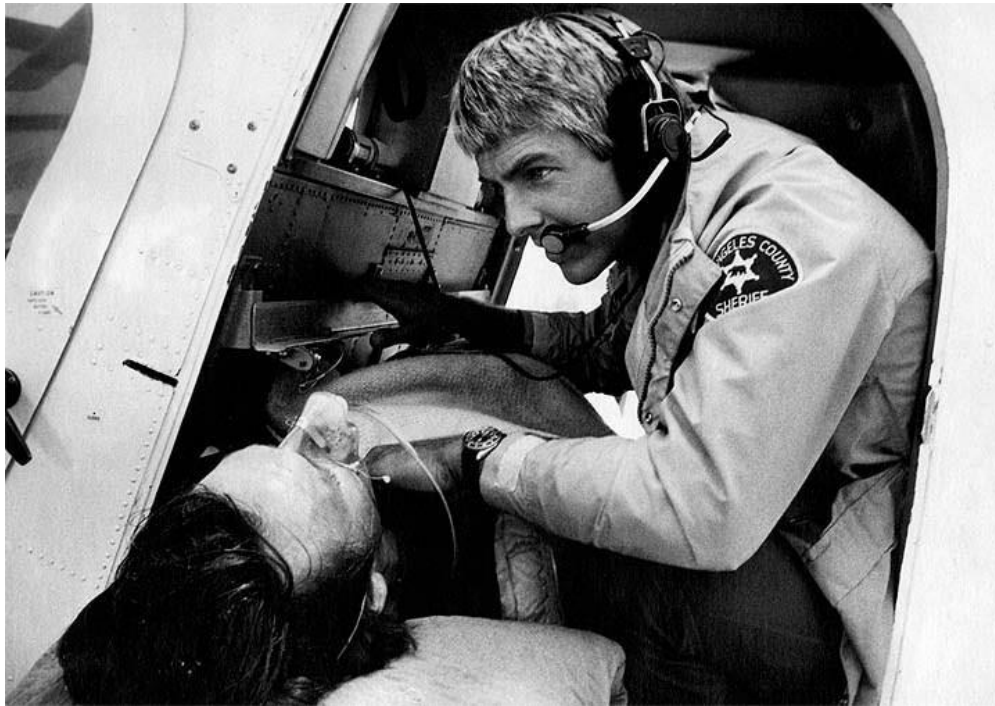
**TV and Movies using radio communications**



***240-Robert*** is an American [drama series](#) that ran on [ABC](#) from 1979 to 1981. The series title is a reference to the call-sign designation for the [Los Angeles Sheriff's Department's](#) [search and rescue/paramedic](#) teams.



The series chronicles the missions of "240-Robert", a specialized unit of the Los Angeles County Sheriff's Department (LASD), that utilized [four wheel drive](#) vehicles and a helicopter. Most of the assignments were sea/air/land search and rescue operations in the extensive (over 4,000 sq mi (10,000 km<sup>2</sup>) jurisdiction. The show's creator was [Rick Rosner](#) (himself an LASD reserve deputy), who created the hit series [CHiPs](#) two years earlier for [NBC](#).



The vehicles used at that time were 1979 [Ford Broncos](#), while the helicopter was a Hughes HA-500C (similar in design to the current [MD 500](#)).

The series was based on real life cases encountered by the LASD's Emergency Services Detail. The real life ESD is actually headquartered in [East Los Angeles](#). Rick Rosner took artistic liberty and portrayed the headquarters as a beach-side station. The actual filming location was at a State of California ranger station located at Sycamore Cove in [Ventura County, California](#).

