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 <http://www.w1mv.org>  <https://www.facebook.com/w1mvmar/>
 <https://twitter.com/search?q=Massasoit%20Amateur%20Radio%20Association&src=typd>

Next meeting is June 21, 2022 at 7:00pm Bridgewater EOC

Membership

The website has been updated with our current roster of paid members. If there are corrections, please drop an email to maranews@w1mv.org

Presidents Notes

MARA Facebook page: Our Massasoit Amateur Radio Association Facebook page with club events, meetings, photos, etc. are 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 Phil N1XTB n1xtb@powersrvcs.com or Wendy KC1GTR kc1gtr.mara.@gmail.com any articles or photos you would like to see in our MARA newsletter, W1MV-MARA Website and Facebook page. Jeff - AJ1L has created a link to twitter to help get the word out even more!

Secretary's Notes - MARA Meeting 04/19/2022 - Tom Luckman - WA1TOM, acting secretary.

Meeting was held at the Bridgewater EOC

Open: WA1BEE - Allen Hiltz called the meeting to order at 1845 with 5 members present.

Attendance: Allen - WA1BEE, John - N1BSO, Phil N1XTB, Tom WA1TOM, Loren - N1QI

President - Allen Hiltz - WA1BEE **Vice President** - John - N1BSO

Secretary - Tom Luckman - WA1TOM **Treasurer** - Phil McNamara - N1XTB

Secretary Notes - Tom - WA1TOM - gave March report, it was read and accepted.

Treasurer Report - Phil N1XTB - gave the treasures report, it was read and accepted.

Repeater Report - Still a problem with the news line. Net Control is advised to not run the news line.

New Members - no new members this month.



Current Business – More discussion on Club Shirts and Ballcaps. Still waiting on the supplier. If no reasonable answer is given a request for the CVS file be returned and we will go elsewhere.

New Business – N1XTB had discussion about NTS Traffic and Packet info and the need to change pathways due to a recent Silent Key. The discussion focused on NTS Traffic being easier to use.

WA1BEE and N1XTB also had discussion about Win-Link Traffic and a reference to Win-Link.org

Upcoming Events - Museum ships on the air weekend is coming up soon June 3-5. Rick is looking for help from anyone who is interested, please contact him, please email Rick KB1TEE@gmail.com. You can stay overnight on the Battleship in JR officers' quarters. Rick will be on the ship Friday afternoon to set up and be on the air by 8pm. He will operate until he cannot and then be back on the air for Saturday. He will have the coffee on, bring your snacks, treats, or food of your choice with you, ship food bar will be open.

Discussion was also held about a new club net to help build interest in the MARA Club. The net could possibly start and be held during the Fall and Winter months with various topics / discussions about building the hobby.

Discussions about hosting Technician Classes and coordinating with W1EKG Ross from the Whitman Club.

Motion to adjourn @ 2000

HAM RADIO LOCAL AREA NETS

Any additions or corrections contact John – N1UMJ at: N1UMJ@arrl.net.

All Frequencies are in MHz and 6 Meters (50.0 MHz and up.) are FM Mode unless otherwise noted.

Sunday:

8:30 AM WA1NPO – WARPSN Net, Whitman ARC Rptr, 147.225 +, PL 67.0 8:45 AM New England phone net, 3.945 +/---□ LSB

Daily:

7:00 PM NE Cracker Barrel Net, Matt – W1AEM, NCO, 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.

7:00 PM Plymouth N1ZIZ Rptr, 146.685 – PL 131.8

7:30 PM Falmouth N1YHS Rptr, 147.375 + PL 110.9 Genesis ARC CW Training Net

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

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



Monday:

- 6:00 AM Cape and Islands Weather Net, M-S, Dennis K1PBO Rptr, 146.955 – PL 88.5
- 8:00 PM Fairhaven Weather Net, SEMARA Rptr, 147.000 + PL 67.0
- 8:00 PM Norfolk County Emergency Preparedness Net, Walpole Rptr, 146.895 – PL 123.0
- 8:30 PM New England DMR net, DMR--□MARC repeaters talk group 3181 New England Falmouth ARA Net, Falmouth K1RK Rptr, 146.655 – PL 88.5
- 9:00 PM Boston ARC Rag Chew Net, Boston W1BOS Rptr, 145.230 – PL 88.5

Tuesday:

- 7:30 PM Plymouth N1ZIZ Rptr, 146.685 – PL 131.8
- 8:00 PM Fairhaven Weather Net, SEMARA Rptr, 147.000 + PL 67.0
- 8:00 PM Massasoit ARA Net, , Bridgewater W1MV Rptr, 147.180 + PL 67.0 (Except 3rd Tue!) Genesis ARC 2 Mtr Rag--□Chew Net,
- 8:00 PM Norwood Amateur Radio Club Net, Norwood Rptr, 147.210 + PL 100.0 220 MHz Day! Try to find a 220 Repeater near you and give a call out!

Wednesday:

- 7:00 PM Blackstone Valley ARC, 2 Mtr Simplex Net, 146.565
- 8:00 PM Cape and Islands ARES Net, Dennis K1PBO Rptr, 146.955 – PL 88.5
- 8:00 PM Fairhaven Weather Net, SEMARA Rptr, 147.000 + PL 67.0
- 8:00 PM Whitman ARC 10 Meter Rag--□Chew Net, 28.333.0 USB - Except 1st Wed!
- 9:00 PM Waltham Wranglers Swap Net., Waltham W1MHL Rptr , 146.64 – PL 136.5

Thursday:

- 7:00 PM Genesis ARC CW Training Net, Plymouth N1ZIZ Rptr, 146.685 – PL 131.8 10 Mtr
- 8:00 PM Fairhaven Weather Net, SEMARA Rptr, 147.000 + PL 67.0
- 8:00 PM General Class Rag--□Chew Net, 29.470.0 FM
- 8:30 PM Sturdy Mem. Hosp. ARC ARES Prac Net, K1SMH Rptr, 147.195+ PL 127.3 900 MHz

Friday:

- 8:00 PM Fairhaven Weather Net, SEMARA Rptr, 147.000 + PL 67.0
- 8:00 PM Great Hill Swap Net, K1USN, 145.390 and Echolink/Irpl 9127

Saturday:

- 8:00 PM South Shore Skywarn Net, 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 - Allen Hiltz - WA1BEE
Vice President John L – N1BSO
Secretary Wendy White – KC1GTR
Treasurer: Phil McNamara N1XTB
Call Sign Trustee: Phil McNamara N1XTB



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/
Facebook	https://www.facebook.com/w1mvmaraf
Newsletter Editor	kc1gtr.mara@gmail.com
ARC Web Page	http://www.walnpo.org
Qsl via	www.eqsl.cc
Skywarn	http://wx1box.org and www.powersrvcs.org/w1gmf/skywarn.htm
Mailing Address	P.O. Box 428 Bridgewater, MA 02324

Monthly meetings are held the 3rd Tuesday of each month, for time being, Tuesday Night Zoom meeting will at 7:00pm.

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 2nd Saturday of every month, in Braintree contact Steve Cohen, W1OD via email w1od@arrl.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.

<http://www.hamradiolicenseexam.com/index.html>

The K7RA Solar Update

05/14/2022 (Courtesy of ARRL Newsletter)

We saw some evidence of sporadic-e propagation this week on 6 and 10 meters, always surprising and exciting.

Solar activity was about the same as last week, at least going by the numbers.

Average daily sunspot numbers rose slightly from 68.6 to 74.4, while average daily solar flux only budged from 120 to 120.3.

Geomagnetic indicators were quieter, with average daily planetary A index shifting from 10.7 to 5, and average middle latitude numbers from 9.3 to 4.6. We listed the middle latitude A index on May 6 as 2, but that number is my own estimate. At the end of that day the last K index reading was not reported, and since the A index for the



day is calculated from all the K index readings, there was no official middle latitude A index reported, so I came up with my own estimate based on available data.

Thursday's outlook for solar flux is more optimistic than last week's prediction, with no values below 100. Expected flux values are 135 on May 13-16, then 132, 128, 126, and 120 on May 17-20, then 118, 120, 124 and 121 on May 21-24, 118 on May 25-27, 116 on May 28-31, 118 on June 1-5, then 116 and 118 on June 6-7, 120 on June 8-9, 122 on June 10-14, 118 on June 15-17, then 120, 124 and 121 on June 18-20.

Planetary A index is predicted at 8 on May 13, 12 on May 14-15, then 14 and 8 on May 16-17, 5 on May 18-19, then 12 and 8 on May 20-21, 5 on May 22-23, 18 on May 24, 15 on May 25-27, 8 on May 28, and 5 on May 29 through June 15, a nice long quiet spell of geomagnetic stability for more than 2 weeks.

Thursday's forecast was prepared by Trost and Housseal of the U.S. Air Force.

OK1HH wrote: "Solar flares continue to occur, and some of them are throwing several overlapping CMEs into space. The amount of CMEs leaving the sun is large enough to make it difficult to unravel their different shapes and trajectories, which reduces the reliability of predictions. Nevertheless, the geomagnetic activity is mostly low, which can be explained by the fact that the magnetic fields above the solar surface are mostly closed.

"An intense solar flare of class X1.5 was observed on May 10 at 1355 UT in the active region 3006 with a complex magnetic structure. Radiation from the flare ionized the Earth's atmosphere and caused a shortwave radio outage around the Atlantic Ocean, more specifically from Central Europe to the east coast of the United States (see Dellinger effect). Radio transmissions at frequencies below 30 MHz were attenuated for more than an hour after the eruption.

"Another M-flare on the afternoon of May 11 was a proton flare.

"Another CME on May 11 came from the sunspots on the far side - one just behind the eastern limb of the Sun and the other just behind the western limb. We do not expect the solar wind around the Earth to intensify again."

The Dellinger effect: https://en.wikipedia.org/wiki/Sudden_ionospheric_disturbance

Here is a blackout map for the above mentioned May 10 event: <https://bit.ly/3w7jQjg>

More on this event:

<https://bit.ly/3N98Nf0>

<https://bit.ly/3NgULrX>

Mystery of the bright spots: <https://bit.ly/3wbiBQa>

WA6LIE wrote in a message titled "TEP to Fiji": "Yesterday evening March 10 just after 0600 UTC I was getting ready to go to bed and saw 3D2AG calling CQ on 6 meter FT8. I gave him a call and we made a QSO.

"He was decoded here in Salinas, California. CM96 for an hour and a half with no takers. Looks like the Magic band is starting to play!



"I will go back to my saying: Gotta be in the right place at the right time and get lucky! Heads up!"

K5JRN wrote: "Today (05/07/2022) at 1601 UTC, I caught a brief 2-meter E-skip opening and worked W4AS in EL95, using FT8, 25 Watts, and an indoor mobile whip antenna. It was an 1100-mile hop from EM10, in Austin, TX, to the Miami, FL area. He was +04 here and I was -24 there, no doubt because of my low power and cross-polarization. It was a new grid for me on 2, and I'm happy to have it."

A massive solar flare, almost: <https://bit.ly/3Maqvij>

Solar cycle progress update from NOAA: <https://www.swpc.noaa.gov/products/solar-cycle-progression>

Real time geomagnetic updates: <https://www.solarham.net/kp.htm>

The latest Space Weather from Dr. Skov, WX6SWW: <https://youtu.be/PUArR1QXTAg>

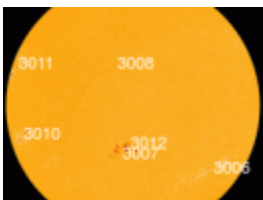
For more information concerning shortwave radio propagation, see <http://www.arrrl.org/propagation> and the ARRL Technical Information Service at <http://arrrl.org/propagation-of-rf-signals>. For an explanation of numbers used in this bulletin, see <http://arrrl.org/the-sun-the-earth-the-ionosphere>.

An archive of past propagation bulletins is at <http://arrrl.org/w1aw-bulletins-archive-propagation>. More good information and tutorials on propagation are at <http://k9la.us/>.

Instructions for starting or ending email distribution of ARRL bulletins are at <http://arrrl.org/bulletins>.

Sunspot numbers for May 5 through 11, 2022 were 85, 64, 66, 89, 71, 62, and 84, with a mean of 74.4. 10.7 cm flux was 119.9, 119.2, 118.1, 119.2, 117, 115.8, and 132.9, with a mean of 120.3. Estimated planetary A indices were 4, 5, 3, 6, 8, 3, and 6, with a mean of 5. Middle latitude A index was 4, 2, 4, 7, 8, 2, and 5, with a mean of 4.6.

[Photo Gallery](#)



Courtesy of ARRL Newsletter



Club Grant Program



ARRL Foundation Club Grant Program

The ARRL has long recognized that it is in the best interests of Amateur Radio to encourage and support amateur radio clubs. Clubs historically have recruited, licensed, and trained new radio amateurs and have provided the community setting for radio amateurs to continue their education and training. The ARRL Foundation Club Grant Program, funded by a grant from Amateur Radio Digital Communications (ARDC), will make \$500,000 available to clubs, enabling them to provide and expand these important services more easily. The program will provide up to \$25,000 for worthy club projects, while requests for more than that will be referred back to ARDC.

An informational webinar about the ARRL Foundation Club Grant Program was held on May 4, 2022. Slides from that presentation can be viewed [here](#) (PDF).

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
- Grant funds may not be used for commercial or for-profit projects

Follow the links below for Club Grant application templates:

- [Project narrative](#)
- [Grant milestones](#)
- [Grant project budget](#)
- [Club revitalization plan \(revitalization grants only\)](#)

The ARRL Foundation Club Grant Program is now accepting grant proposals.

[Follow this link](#) to submit a Club Grant proposal.



Clubs are also welcome to apply directly to ARDC for a grant by visiting www.ampr.org/apply/. Grant applications of all amounts, including over \$25,000, are eligible.

Questions about the ARRL Foundation Club Grant Program can be sent to clubgrants@arrl.org.

[ICOM will announce news at Hamvention](#)

May 16, 2022

This morning Icom announced that it will have something “new and exciting is on the horizon” during Dayton Hamvention 2022 Will it be a new HF or VH... [Read more](#)

Courtesy of Hamuniverse

[HAM RADIO OPERATOR INVENTS GAS SAVINGS DEVICE](#)

[Heathkit's Amateur Radio Plans Taking Shape!](#)

[ARRL NEWS](#)

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[HF Radio.org News](#)

[QRZ.com News Headlines](#)

This Week in Ham Radio
From Twiar.org
(RSS FEED) (Audio download)

[Ham News from England](#)
From Southgate ARC

[Amateur Radio Newsline](#)

[R.A.I.N. Report \(Audio\)](#)

8 Satellite's for Amateur Radio. Coordinated by IARU Satellite Frequency Coordination Panel CubeSats being deployed are:



- GuaraniSat-1 (BIRDS-4)
- RSP-01
- TAUSAT-1

- Maya-2 (BIRDS-4)
- WARP-01 • OPUSAT-II
- STARS-EC
- Tsuru BIRDS-4
- OPUSAT-II

BIRDS-4 satellites are carrying digipeaters and TAUSAT-1 has an FM transponder. Further information including the IARU coordinated frequencies are at <http://amsat.org.uk/iaru/>