



The SPARC

Volume XIII, Number 6; June 2001
Newsletter of the Boston Amateur Radio Club
<http://www.barc.org/barc>
w1bos@arrl.net



A Message from the President

Mark Duff/KB1EKN

I am pleased to announce that BARC's Special Service Club status has been renewed by the ARRL. The Special Service Club recognition is reserved for Amateur Radio clubs that meet the highest standards of community service established by the ARRL. BARC was named a Special Service Club because of its continued commitment to emergency communications and public service, as well as community involvement, technical education classes, ham recruiting and training. Thanks to Frank Murphy/N1DHW for taking care of this important matter.

Like all of you, I am very much looking forward to Field Day. Mike Coffey/KB1EZL, Leo Burke/KA1LN and several others have done a great job in organizing this year's event. It should be a great time and a lot of fun. Everyone is welcome to participate for as little or as much time as they prefer. The main meal will be served around 6:00 p.m. Stop by and enjoy a hamburger and some fellowship. All members are welcome.

The annual election of club officers will take place at the next general meeting. Everyone is welcome and encouraged to attend the meeting and vote for the candidate of their choice or propose a candidate.

John Garret/WN9T, Mike Ardai/N1IST, and Dick Doherty/KA1TUZ spent a recent Saturday working on the 145.23 repeater. Many of us forget how important this repeater is to BARC. We all take it for granted that when we key up the machine it will be there. Thank you to these gentlemen for making sure it always is there.

Our sympathy is extended to Mike Ardai/N1IST and his family on the recent loss of his mother. May her soul rest in peace. Although Mike has been very busy of late, he has stepped forward to put together this month's newsletter. Paul Carter our editor, who does an outstanding job for us, was unable to do it this month because of a job commitment. Paul deserves a vacation and I guess this month will be it!

73/KB1EKN

June General Meeting

This month's BARC General meeting is on Thursday, June 21 at 7p.m.

This month's speaker will be Rob Macedo, KD1CY, who will speak on Skywarn..

BARC General meetings are held at the Boston Back Bay Salvation Army Building, corner of Berkeley St. and Columbus Ave. near Copley Square, in the second floor auditorium.

Parking is available; the entrance to the parking lot is from Columbus Ave. (across the street from the firehouse). It is also T accessible; the nearest T stations are Back Bay on the Orange and Purple lines (exit the rear of the station by the busway and walk down Columbus) and Copley or Arlington on the Green line (use the Berkeley Street exit). A map appears on page 7 of the newsletter.

Field Day Satellite Station Call for Help

As you know Bill KD1NX and myself (Rick N1HID) have the satellite station setup at the BARC Field day. This year Bill KD1NX can't make due to health and family issues, so this leaves me in the position of getting and setting up the equipment myself. Now this was a job that Bill had down to a science and I was still learning how to do it as fast as he could. But we did get help from a lot of other people who were interested in this station setup. Ok this brings it down to how much of a satellite station we can have this year.

As of today I can use most of the equipment that Bill has at his house, but the problem is getting that equipment from Bill and storing it until we need it for field day and then after field day until we can bring it back to Bill who lives in Brockton. I'm not planning on using my radios which are the Yaesu FT-736 and I needed the FT-726. From Bill I'll need to get the 2 and 440 beam antennas, az/el rotor and tripod. I'm hoping to get a 9600 baud modem for the packet sat's, but I don't have any equipment to work the new satellite AO-40.

I do have another way of working the satellites using the Arrow antennas if we can't get the beams and rotors. So this is a call for help for people who want to help get, setup and operate the station. Bill will be greatly missed but I hope we can carry on the fun that he brought with him from Brockton to the BARC Field day this year.

Thanks,
Rick N1HID

Overnight Operators Needed for Field Day

In case you don't know, Field Day is coming soon!

I am dubbed "Coordinator of Overnight Activities" for this year's celebration. It is hoped that we can keep all three of our intended HF stations truly on-air for the entire period. It is my understanding that one of these stations will be designated as a full-time CW station.

Ideally, we'd like a minimum of six people (an operator and logger) at each station, at all times. One or both of these brave volunteers (per-station) should have a license class of Advanced or Extra, to assume responsibility for the "control operator" functions.

Do I have any takers? If interested, please write me, on or off list. We can begin making a tentative schedule of such things as who will operate which band/mode, when, when do we refuel the generators, who can act as "security detail", and more, as we think of them. BTW, if you know of candidates not on this list, please refer them to me.

73,
Dave wx1g

CQ Field Day, CQ Field Day

Hello all, Mike KB1EZL here, I have again "volunteered" to be the field day chair. KA1LN, Leo, has volunteered to be the assistant chair. Last year's Field Day went off quite well, considering that planning did not start until mid April. However, I want to start *much* earlier this year to allow much more input and participation by a large portion of the amateur community. At the risk of at some point annoying some folks on some of the nets, I did announcements on almost every net, locally, from April until field day in June. One or two comments were made (i.e. tone it down a bit.) It must have sounded a bit desperate!!!

This year I would like to get some of you to volunteer early to HELP organize FD. If you can only an hour or two a week on this it is not a problem. If you don't know yet if you can actually make it to FD, it is not a problem!! There would be great satisfaction in knowing that you assisted in a successful operation!!!!

For now, I would ask that you subscribe to the "barc-list". Last year we had quite a few informative discussions on the "barc-list" about Field Day. Instructions for subscribing to the "barc-list" are on the club web site at: www.barc.org/barc, or you can join us on any of the club nets - Mon. 9 p.m. 145.35 (pl.88.5), Tues. 9 p.m. 145.23 (pl.88.5) Public Safety net, or the SWAT (SATERN, Weather, ARES and Tech. - sometimes satellite - net.) Catch me on the net and ask me to stay after the net.

KB1EZL, Mike

ARRL Membership And Renewal

If your ARRL membership is coming up for renewal, please do so through BARC. Your ARRL membership dues remain the same, but the club gets a small income from your renewal. If you are joining the ARRL for the first time, sign up through BARC. In either case, **make your check out to BARC** and give it and your ARRL membership form to the BARC Treasurer. He will handle the rest, and you will get all the benefits of being a member of ARRL, The National Organization for Amateur Radio.

COULDN'T MAKE IT, HUH?

So, 26 miles was too much for you? The Boston Athletic Association (BAA) has a new answer. The BAA has just announced a new race for Boston - a half marathon. This 13.1 mile event will be held on Sunday, 14 October, highlighting Boston's Emerald Necklace. No logistical details have been released, but we have been asked to support communications for the thousands of expected runners and spectators.

More information will be published as it becomes available. Interested? Contact Bob Salow, WA1IDA at walida@mediaone.net.

MEMA PUBLIC SAFETY FAIR

The Massachusetts Emergency Management Agency (MEMA) will sponsor its 11th annual Public Safety Fair on Saturday, 22 September at the Barnes Air National Guard Base in Westfield MA. The Fair will be open from 0900 to 1500.

The entertainment and information for the whole family will include:

- Search and Rescue Demonstrations
- Skydiver & Helicopter Demonstrations
- K-9 Dog Units
- Hazmat Teams
- Child Safety Fingerprinting
- Police, Fire, Emergency Vehicles
- Public Safety Displays
- Food, Fun and Lots of Surprises

Admission and parking are both free.

TORNADOES IN SOUTHERN NEW ENGLAND

From National Weather Service

No, this is not the Midwest - and tornadoes do not strike Southern New England with the frequency that occurs out there. But they do happen often enough that we need to be aware of them and know what to do when they occur.

Here are some statistics for the 51-year period from 1950 to 2000. Worcester County, MA has had 34 tornadoes reported, which equates to roughly one every year and a half. But the last one on the list there was in 1990 - 11 years ago. In Middlesex County, MA there have been 17 tornadoes in the last 51 years - or about once every 3 years. But the last one on the list is back in 1986 - 15 years ago. Hartford County, CT gets 1 every 4 years on average, but the last reported tornado there was in 1994 - 7 years ago. The point is that we may be overdue.

The most frequent occurrences are in July and August. For Massachusetts, since 1950, here is the breakdown by month.

March	1	May	13	June	18
July	54	August	30	September	10
October	7	November	6	December	1

Download a free copy of 2001 Hurricane Tracking Map at <http://www.emergencye.com/hurricane/>

SEVERE WEATHER DEFINITIONS, WATCHES AND WARNINGS

From National Weather Service

The National Weather Service defines a severe thunderstorm as one which produces large hail and/or damaging winds. Large hail is defined as being 3/4 inches (0.75 inches) in diameter - roughly the size of a dime or penny. Winds are considered severe if the thunderstorm producing them causes gusts to reach 58 mph or higher. At approximately these speeds, large tree limbs can break off and cause downed power lines. At higher speeds, whole trees can be uprooted.

A downburst is an exceptionally strong downdraft of air in a thunderstorm that spreads out violently at the ground - typically in a straight line path. Speeds as high as 175 mph have been recorded from a downburst. In May 1996, 104 mph was recorded in a downburst in the Brockton/Whitman/Abington area of Eastern MA causing 60 injuries. In May 1998, coincidentally, a gust to 104 mph also was recorded in Worcester MA. The downburst damage can be just as great as that of a tornado.

Severe thunderstorms can also spawn tornadoes. It takes a special set of atmospheric circumstances for this to happen. As a rule of thumb, however, any storm capable of producing golf ball size hail or larger has a well organized updraft and is capable of producing a tornado.

When atmospheric conditions are favorable for the development of severe thunderstorms, the storm prediction center in Norman OK will issue a severe thunderstorm watch. If a few of these could also produce tornadoes, a tornado watch will be issued. The watch often covers several states. It is your initial word that dangerous weather is possible.

If the National Weather Service issues a tornado warning, immediate action should be taken to protect life and property. A tornado warning means that a severe thunderstorm is in progress and that a tornado has either been sighted or is imminent, based on doppler radar imagery.

Unfortunately, some tornadoes can still develop so rapidly that a tornado warning may not be in effect. A severe thunderstorm warning may be in effect when a tornado strikes - such as in Great Barrington MA in 1995. Here in New England, tornadoes often are obscured in rainfall, making reports from SKYWARN weather spotters difficult at best.

Your first safety rule is that you must have a means of receiving the word that a watch or warning is in effect.

BARC Monthly Breakfast

Every month, BARC has a social breakfast on the second Sunday of the month, which is July 8 this month. We'll be meeting at the Old Country Buffet at the Watertown Mall at 8:30am.

They are *very* good, offering an extensive breakfast buffet, costing \$6.35 per person. We just intend to get together, socialize and eat, without having any formal club events or business. Family and friends of club members are welcome also. If you are not a BARC member, you too are invited to meet with us and see what we're all about.

The Old Country Buffet is in the Watertown Mall, on Arsenal St. in Watertown. From Memorial Drive continue on Greenough Boulevard to the Watertown exit, and then turn right onto Arsenal St. There is plenty of mall parking. The #70 T bus from Central Square Cambridge to Watertown Square stops right at the Watertown Mall. Hope to see all of you there - and bring your appetite!

Future Club Meeting Dates

Business Meeting	General Meeting
1 st Thursday at 6:30PM CambridgeSide Galleria Mall	3 rd Thursday at 7PM Salvation Army, Back Bay
	19 July 2001
2 August 2001	16 August 2001
6 September 2001	20 September 2001
4 October 2001	18 October 2001
1 November 2001	15 November 2001
6 December 2001	20 December 2001 (Holiday Party)

Boston Amateur Radio Club Business Meeting

7 June 2001.
Recorded by Mike Ardai, N1IST

Present Were:

Mike Ardai, N1IST
Arthur Ashley, N1NHZ, Membership Services, ERT Leader
Henry Buccigross, KB1GRQ
Mike Coffey, KB1EZL
Dick Doherty, KA1TUZ, Vice-President
Mark Duff, KB1EKN, President
Ed Hennessy, N1PBA
Frank Murphy, N1DHW
Bob Salow, WA1IDA, Public Service
Joe Scully, K1SQT
Paul Carter, N1TMF, SPARC Editor
Paul Olivieri, N1ZKR
Bob Cassell, N1ENS
Peter Grace, N1CVH

The meeting was called to order at approximately 1840hrs.

Reports were received from the various committees regarding various ongoing concerns of the club, such as emergency response, and education.

This Monday will be the last VE session with multiple-choice Morse Code exams.

Upcoming public service events – Jimmy Fund walk 9/30 and BAA Half-marathon 10/14.

N1IST, WN9T, and KA1TUZ will take a trip to the repeater to tighten connectors.

Field Day pins have been ordered – we have a few extras – see KB1EZL to order them.

We need people to bring fans and table lights to Field Day.

We will send letters out to people who haven't renewed their BARC membership this year.

There is still a need for more volunteers to staff (and drive) the Salvation Army canteen truck. People interested are encouraged to contact Dick Doherty, KA1TUZ.

The meeting adjourned at 19:57 hrs.

This is where the real business of BARC is conducted. If you have any suggestions, questions or comments, this is where to bring them. All members are welcome (and encouraged) to join us at this meeting.

The next Boston Amateur Radio Club business meeting will be held Thursday, July 5, 2001 (1st Thursday of the month), 6:30pm. We meet at the food court of the Cambridgeside Galleria Mall, down by the windows facing the lagoon.

BARC Growth

It's a rare month when we fail to add a few new members. Periodically we publish their names so that you can give them a special welcome. There may also be some long lost members who rejoin, so greet them, too.

Scott Fillmore	KB1GHW
Bert Flower	N1MXO
Joe Locke	
Jake Lohr	N1LHR
Tom Martin	KB1DXR

Please welcome the new BARC members and congratulate the new upgrades. Make it a point to introduce yourself when you see them at a meeting. In addition, we would like to note here all call sign changes. If you fit any of these categories, please promptly notify the Keeper of the Database, Bob Salow, WA1IDA at: 508.650.9440 or email: walida@mediaone.net.

New CW Testing System at VE Exams

The National Conference of Volunteer Examiner Coordinators voted to set up revised standards for the administration of Morse code examinations in the US. The move at the NCVET's July 21, 2000 meeting in Gettysburg, Pennsylvania, came in the wake of the FCC's December 30, 1999, action to establish 5 WPM as the sole Amateur Radio Morse code requirement.

Under the NCVET revised standards, examinees would have to show 25 character-count solid copy on their test sheets or successfully answer seven out of 10 questions of a fill-in-the-blank quiz on the sent text. Multiple-choice 10-question exams for Morse code are no longer permitted beginning July 1, 2001.

Morse examinations will specify use of the Farnsworth method of code generation as the default, where characters are sent faster than the overall speed and additional spaces added between characters, words and sentences. The Farnsworth "character speed" as a default must be within the range of 13 to 15 WPM. Standard 5 WPM tests with 5 WPM characters could be administered as a special accommodation (as the exception rather than the standard).

The revised standards also call for a Morse code exam audio pitch within the 700 to 1000 Hz range. The new Morse testing standards are to be in effect by next July 1, 2001.

Our exams already meet the speed and frequency as specified, but we will have to change from multiple-choice to fill-in-the-blanks starting with our July session.

73,
/mike
n1ist@arrl.net
BARC VE Team liaison

Hunting all VEs

Mike Ardai N1IST

We are looking for VEs to help out with the BARC VE sessions. Most of the time we have at least the required 3 for them, but sometimes we may need some more, especially if one of the regulars can't make it. If you are an ARRL-accredited VE, please drop a note to Dick, KA1TUZ (ka1tuz@arrl.net) and let him know when you might be available to help out.

BARC Amateur Radio Exam Session

The Boston Amateur Radio Club holds its monthly exam session on the second Monday of each month. The next session will be at 7pm on Monday, July 9, 2001 at the Pierce School at 50 School Street in Brookline. Follow the signs from the main entrance (up the stairs behind the circular driveway)

There is a free parking garage at the circular driveway. If driving, enter School Street from the Washington street side (opposite 394 Washington,) rather than from Harvard Street. Check:

http://www.barc.org/barc/school_map.gif

for more info. This map also appears on page 7 of this newsletter.

For those traveling via public transportation, take the "D" branch of the Green Line to the Brookline Village station. Walk north along Harvard Street 0.2 miles to School Street then turn left. The Pierce School is on the left. The #66 bus runs on Harvard Street, crossing School Street.

Talk in on 145.23(-), PL 88.5.

We give all exams (Technician thru Extra, CW and written), and you don't need to pre-register. Please bring the following with you:

- Your current license *and a photocopy for the ARRL*, if you are upgrading
- Any CSCE's you are claiming, and a photocopy of them
- Valid ID (picture ID preferred)
- A pen and a calculator (if you want to)
- **\$10.00** (good for all the tests you take at that session, except for retests).
- Note that code tests are no longer free. Those taking the code test only will also have to pay the \$10 fee. Code and written tests can be taken together at the same session for a single \$10 fee.

The needed FCC forms will be provided.

For further information, contact

Dick Doherty, KA1TUZ

617.969.4880

ka1tuz@arrl.net

or

Repeaters: 145.23 (-) PL 88.5 447.175 (-) PL 110.9

Mike Ardai, N1IST

781.321.7939

n1ist@arrl.net

Future Exam Dates

(Second Mondays at 7:00 pm)

11 June 2001

9 July 2001

13 August 2001

10 September 2001

8 October 2001 (possible reschedule for holiday)

12 November 2001 (possible reschedule for holiday)

10 December 2001

I See the Future

17 Jun MIT Flea

21 Jun BARC General Meeting

23-24 Jun Field Day

5 Jul BARC Business meeting

9 Jul BARC VE (exam) session

15 Jul MIT Flea

19 Jul BARC General Meeting

28 Jul NE Antique RC (Nashua NH)

28 Jul FRARC Flea (Swansea)

19 Aug MIT Flea

2 Sep Monster Triathlon **(Rp)**

22 Sep MEMA Public Safety Fair (Westfield)

30 Sep Jimmy Fund Marathon Walk **(Rp)**

5-6 Oct Hoss Traders Flea (Contoocook NH)

14 Oct BAA Half-Marathon **(Rp)**

(Rp) = BARC repeater(s) may be used

As you might expect, there are many more events (public service, hamfests, flea markets, etc.) taking place - some only peripheral to ham radio. For information on these, covering New England and some of New York, the "Ham - Electronic Flea Market" and the "PSLIST" lists tell the story. They are posted by e-mail to barc-list and on PBBSs regularly. If needed, contact any club member who has access to these.

BARC Net NCS stations needed

Mike Ardai N1IST

We are constantly looking for people to help run the BARC Net each Monday night. This is a great way to get your feet wet in running a net and a nice way to help out the club. If you can help, please let me know when I ask for volunteers during the net or drop me an email at n1ist@arrl.net.

Special thanks to KB1EZL, N1NHZ, N1GIE, and all the other regulars who help out by running the nets.

Simplex: 147.42

If it is a few minutes after 9 PM and nobody is running the net, please jump in and pick it up. The preamble is in the SPARC and on the BARC web page. If you don't have it with you, just wing it.

BARC Net Preamble

Any further business for the repeater before we begin the Boston Amateur Radio Club Net? This is <<YOUR CALL>>.

Calling the Boston Amateur Radio Club net. This is <<YOUR CALL>>, my name is <<YOUR NAME>> and I am located in <<YOUR TOWN>>. This net meets each Monday evening at 9 PM Eastern Time on the 145.23 Boston repeater, PL 88.5. This net is an informal round table discussion concerning matters of interest to the members of the Boston Amateur Radio Club and the Boston Amateur radio community in general. When checking into the net, please say, "this is" and drop your carrier to check on doubling. Then give your call sign, name and location. All amateurs are welcome to join the net. Any checkins for the Boston Amateur Radio Club net please call now.

Is there any further business for the net before I close?

Hearing nothing, this is <<YOUR CALL>> closing tonight's session of the Boston Amateur Radio Club Net. I would like to thank everyone who participated in the net and those who stood by while I ran the net. The Boston Amateur Radio Club net will return next Monday evening at 9 PM Eastern Time. This is <<YOUR CALL>> returning the repeater to general amateur use. 73.

BARC Runs Friday Night Nets

The Boston Amateur Radio Club runs special interest nets every Friday evening at 9p.m. on the 145.23 machine. Each Friday of the month, the net will be devoted to a specific activity/interest.

1st Friday - SATERN (Salvation Army Team Emergency Response Net);
2nd Friday - Weather Net;
3rd Friday - ARES net;
4th Friday - Tech Net;
5th Friday - All or some of the above.

All BARC members and other members of the Boston area Amateur Radio community are welcome to check in and participate.

Several Hundred Boston Area Hams Could Be Reading Your Ad Right Now

The SPARC accepts commercial advertisements. BARC encourages monthly promotion of your products and services which would be of interest to our hundreds of members and others interested in the Amateur Radio Service.

Rates for display advertising are:

1 col x 2 in. (business card)	\$10 per issue
1 col x 2 in. (business card)	\$50 per 6 consecutive months
1 col x 2 in. (business card)	\$90 per 12 consecutive months
1 col x 4 in. (1/2 col)	\$20 per issue
1 col x 9.5 in. (full col)	\$40 per issue

Originals of ads must be presented to the Editor in MS Word or .jpg format to print 1:1. Other composition will be at extra cost. We will be glad to quote other ad sizes and durations.

Members are urged to seek prospective advertisers who are appropriate to our readers.

For additional information, contact Paul Carter at n1tmf@pvctronics.com or 617.232.6982; or Bob Salow at walida@mediaone.net or 508.650.9440.

Your Ad Could Have Been Here

Are you a depressed BARC member because you have a treasure you must turn to cash and you couldn't make it to the last flea market? Well, cheer up, Bunky! The SPARC will run your (non-business) ad for free. Of course, a 10% donation if you sell it (and of course you will) will be cheerfully accepted. Just send your ad to Editor Paul Carter, N1TMF.

The SPARC has a Guest Editor

Paul (N1TMF) – our usual editor – can't make it this month due to work conflicts, so I have been asked to pick it up this month. I hope that this issue will live up to our usual high standards.

One thing that has made the job so much easier is all of the articles that have been contributed by members. That lets the editor be an editor rather than have to write or dig up articles. If you have something that you would like to see in the SPARC, please send a copy to N1TMF.

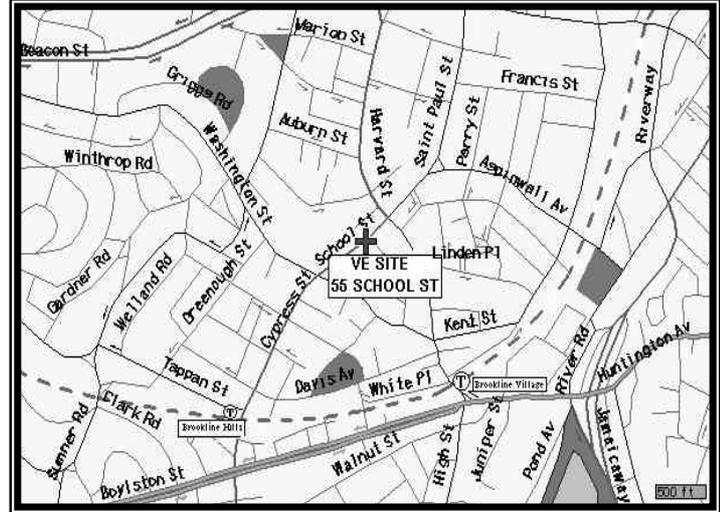
BARC is a totally volunteer-run club. Please help out so that everything doesn't fall on the same dozen or so guys. It's good to see so many of you at the business meeting, but we certainly can use a lot more help.

I hope to see everyone at Field Day!

73,
/mike
n1list@arrl.net



General Meeting – Boston Salvation Army
 Corner of Berkeley St. and Columbus Ave.



VE Session – Pierce School
 50 School Street, Brookline,

BARC Officers and Staff

President: Mark Duff, KB1EKN	781.749.7664; emgmt@mediaone.net
Vice President: Dick Doherty; KA1TUZ	617.969.4880; kal1tuz@arrl.net
Secretary: Guy Bzibziak, KB1CRY;	781.321.1104; kb1cry@arrl.net
Treasurer: Jim Clogher, N1ICN,	617.364.4658; n1icn@rcn.com
Vol Exams: Mike Ardai;	781.321.7939; n1ist@arrl.net
Dick Doherty; KA1TUZ	617.969.4880; kal1tuz@arrl.net
Membership: Arthur Ashley, N1NHZ;	617.661.2988; n1nhz@arrl.net
Public Service: Bob Salow, WA1IDA;	508.650.9440; walida@mediaone.net
Newsletter Editor: Paul Carter, N1TMF;	617.232.6982; n1tmf@pvctronics.com

The Boston Amateur Radio Club is a non-commercial association of persons interested in the Amateur Radio Service. The Club is organized for the promotion of interest in Amateur Radio communication and education, for the establishment of emergency communications in the event of disasters or other emergencies, for the advancement of the radio art and the public welfare, for the representation of the radio amateur in legislative and regulatory matters, and for the maintenance of collegiality and a high standard of conduct.

The Club is open to all persons interested in Amateur Radio without regard to race, color, religion, creed, national origin, gender, disability, or sexual preference. Our General and Business meeting locations are handicap accessible. Other meeting and activity locations may be handicap accessible by arrangement.

The Club is an ARRL-affiliated Special Service Club, and is a member of the Council of Eastern Massachusetts Amateur Radio Clubs (CEMARC) and the New England Spectrum Management Council (NESMC). The Club is a participant in Partnerships Advancing Technical Hobbies Which Attract Youth to Science (PATHWAYS). The Club is also an associate member of the Courage Handi-Hams system.

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Greater Boston Net Directory

daily 5:30pm	Eastern Mass/Rhode Island Phone Net (NTS)	3.915
daily 7 and 10pm	Eastern Mass/Rhode Island CW Net (NTS)	3.658
daily 8pm	Eastern Mass 2M Traffic Net (NTS)	145.23 (PL 88.5)
daily 8pm	Slow Speed CW Net	28.160
daily 10:30pm	Heavy Hitters' Traffic Net (NTS)	146.64
M 9pm	BARC Club Net	145.23 (PL 88.5)
Tu 8pm	MMRA Club Net	146.61 and all MMRA links
Tu 9pm	EMA Public Safety Net	145.23 (PL 88.5)
Tu 9pm	NETARC Satellite Net W1ME (ex K1MON)/NCS	446.575 (PL 88.5)
W 8pm	Wellesley Amateur Radio Society Net	147.03
W 9pm	HHTN Swap Net	146.64
Th 8:30pm	Amsat Net N1OHJ/NCS	146.64
F 9pm	SWAT (SATERN, Weather, ARES & Tech) Net	145.23 (PL 88.5)
Su 9:30am	Yankee SSB Net (6M)	50.275
Su 3:30pm	Youth Net	3.970
Su 7pm	Algonquin Amateur Radio Club Net	53.470 (PL 100.0/71.9), 223.860 (PL 241.8), 446.675 (PL 88.5)
Su 8:30pm	NSRA Net (with Newsline)	145.47
4Th Su 9:30pm	EMA Section ARES Net	146.61 and all MMRA links