



The SPARC

Volume XIII, Number 2; February 2001
Newsletter of the Boston Amateur Radio Club
<http://www.barc.org/barc>
w1bos@arrl.net



A Message from the President

Mark Duff KB1EKN

Anyone reading the current issue of SPARC soon realizes that the Boston Amateur Radio Club is a very active group of hams. Something is going on every day of the week. For example: the weekend following the business meeting, members put together the newsletter that you are now reading. The BARC breakfast is the second Sunday of the month. Soon, the MIT Flea will take up the third Sunday of the month. Monday nights at 9, we have the club net. The second Monday of each month we host the VE session in Brookline. Tuesday night is the public safety net and on the Tuesday night following the business meeting, members gather to fold the newsletter for mailing. Wednesday nights seem to be open, but keep in mind that planning for the 105th running of the Marathon in April has begun. Field Day planning for June has also started. A BERT meeting is in the works, which more than likely will be held in March at the Galleria Mall in Cambridge. Work on WEB Site and many other projects are ongoing. Then, the first Thursday of the month is the business meeting. The third Thursday of the month is the general meeting and starting this Thursday we are running a Tech Class for the month of February on Mondays and Thursdays. Friday nights, we have the SWAT Net. Finally, every evening at 8:00 PM is the NTS traffic net. I think we do a great job with everything we take on and having a lot of fun at the same time. After reading this letter, jump up grab a mic and get the word out: Come join the fun at BARC!

73/KB1EKN

IS YOUR *arrl.net* TOO SLOOOWW?

By Bob Salow, WA1IDA

The ARRL email forwarding service (*callsign@arrl.net*) has been hit by many problems in recent months. The appeal and use of the service has been far more than anticipated. The actual forwarding service (ISP), the database to run it, and the server hardware have all had their outages. There has been spam overload to the incorporated spam filters. And, as expected, hackers have shot at the service.

There are slowdowns and there are stoppages. Recent answers from ARRL state an occasional breakdown, but have not acknowledged the frequently slow service and the lost messages. Message experience and tests have demonstrated delays as much as eight days and totally lost messages. Technical system

descriptions from the responsible manager at ARRL have been analyzed and show a system of questionable integrity.

The ARRL Board of Directors has authorized a major redesign of the system. It is underway, and is expected to be completed "in a few months." Some elements of the redesign have already been criticized.

It seems to me that the service as it now stands is poor and is disruptive to the message flow we have come to depend on. Until the redesign is complete and fully tested, I recommend that all users of the ARRL email forwarding service notify their senders to use alternative addresses. There are many forwarding services, or you can use your basic ISP address for incoming mail. Make sure of their ability to handle the attachments and large files you may expect.

Please understand that this is not a criticism of the ARRL or the responsible manager. In addition to the ugly spammers and hackers, as well as the occasional weak hardware in this world, this is mostly a case of too much of a good thing.

You can reach me at w1ida@mediaone.net.

Hams Needed For The Multiple Sclerosis Walk

The Boston Multiple Sclerosis Walk will be held on Sunday, 1 April from mid-morning to mid afternoon. We have supported this event for many years, protecting the safety of thousands of walkers, and earning the gratitude of the sponsors.

We need about 20 hams to staff the checkpoints, the hazardous locations and shadow the key people. The present plan (like last year, but subject to change) is for the route to start at the Hatch Shell on the Esplanade, proceed along the Boston side of the Charles River to the McGrath/O'Brien Highway. Cross into Cambridge, proceed along Memorial Drive, and cross to the Boston side on the River Street Bridge. Continue along the river, finishing at the Esplanade. There is also a short route crossing at the Mass Ave Bridge.

While this is a valued ham public service, it is one of the few just before the Boston Marathon. Your help is needed here and at the Marathon. If you are new to ham public service, this MS Walk will give you the required experience to participate at the Marathon. Contact the Coordinator, Ed Burg, N1VSJ to sign up

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or for more information. You can reach Ed by email at mooseeb@aol.com or by phone at 978.952.6474.

The 2001 Boston Marathon

This notice is later than it has been in the past. Because of some administrative quirks at the BAA we have been slowed in getting the paperwork out. It is on the way. There's no question that our performance has benefited the runner safety and strengthened the administration of the event.

Aside from the athletics and the competition, the Boston Athletic Association (BAA) has created one of the safest and user-friendly events of its kind in the world. It takes months of planning and over 7000 volunteers to make it so each year. More than 250 hams contribute time and skills toward a small, but vital, part of this classic event.

The Boston Amateur Radio Club has been asked to coordinate hams for emergency communications along the 26-mile course on Monday, 16 April 2001. In recent years about 165 hams from all over New England (and beyond) have turned out for this assignment. If you do not received the registration papers within a week after reading this, contact Bob Salow, WA1IDA **at once** (see below).

The BAA has asked for each ham serving at the Marathon to have at least minimum experience in ham radio public service or emergency communications. This experience can be gained by participating in a public service event before the Marathon on 16 April 2001. The Marathon is an exciting and intense day, so duty at other events can serve as a lower key introduction. If you have not done the Boston Marathon in 1999 or 2000, you will be asked to attend one of the briefings we will hold from mid March through early April.

Whether you have volunteered before or you're new and haven't done it before, your help is needed for the 2001 Boston Marathon course. You will have a great time. Get the registration form back to the address shown on the form promptly.

To get your ball rolling, send Bob your name, call sign, mailing address, evening and day phone numbers, and e-mail address. To reach Bob - email: walida@mediaone.net or phone 508.650.9440 or snailmail to

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

PO Box 3773
Natick MA 01760-0030

Yes, you will have a great time, but you can help now by acting NOW.

It's Time To Renew

The BARC membership year runs with the calendar year. That's why most of you will find a renewal membership form enclosed with this issue of *The SPARC*. We know it's a trying time of year (trying, that is, to convince the mathematically challenged that this is the real start of the millennium), but think of the Treasurer and his volunteer staff who need to keep the books up to date. You can help by renewing your membership promptly in the best club around. The membership form has all the information you need to act quickly. Please fill it out completely and legibly. Make an effort to determine your full 9-digit ZIP Code – it can save us money.

To avoid consternation and embarrassment, we are trying to send the form only to those who have not renewed. If your renewal has been entered by the newsletter mailing date, you should not get another form. Please understand that there are delays in processing, so there may be an apparent error. You can use extra forms to sign up a new member.

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.

ARRL Approves Dues Increase

Meeting in Irving, Texas, January 19 and 20, the ARRL Board of Directors voted to increase membership dues from \$34 to \$39 annually for full members younger than 65, and from \$28 to \$34 for full members 65 and older. The dues hike goes into effect July 1, 2001. The last ARRL dues increase was in July 1997.

CQ Field Day, CQ Field Day

Hello all, Mike KB1EZZ here, I have again "volunteered" to be the field day chair. KAILN, 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

Simplex: 147.42

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

Bring Ham Radio To 3000 Kids And Teachers

Once again, BARC will present the service and hobby of ham radio to over 3000 junior and senior high school students. They and their teachers will attend the Aviation Expo on 24 April, filling a hangar at Logan International Airport. The Expo gives the students a chance to experience the choices and preparation for careers in aviation, communications and technology. It is sponsored by the Federal Aviation Administration (FAA), the Massachusetts Pre-Engineering Program (MassPEP) and MassPort.

BARC uses a double-size booth at which we demonstrate and explain several facets of ham radio. We have the opportunity to meet with the teachers and their students who range in age from 12 to 18. In past years we have found a significant interest in ham radio not only as a hobby, but also as career preparation and as a teaching tool.

Your help is needed to set up and staff this presentation. Our support runs from 0730 to 1230 on Tuesday, 24 April, and is followed by a lunch. Please contact Bob Salow, WA1IDA, at walida@mediaone.net or 508.650.9440 if you can assist.

BARC Holds Technician License Class

The Boston Amateur Radio Club is sponsoring a no-code Technician license class at The Salvation Army State Headquarters 147 Berkeley Street, Boston starting on Thursday 8 February 2001. The class will meet from 7:00pm - 9:00pm on Mondays & Thursdays for a total of six sessions:

8 February 2001
12 February 2001
19 February 2001
22 February 2001

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

26 February 2001

1 March 2001

We will be using the book Now You're Talking, which is available at your local Radio Shack or will be available the first night of class. No pre-registration is necessary.

BARC's Newest Repeater, and Where to Find us on Simplex.

Michael Ardai, N1IST

Recently, John (WN9T - the licensee of the 145.23 BARC machine) has decided to make his 447.175 UHF repeater an official BARC repeater. This machine is located right next to the .23 repeater and has similar coverage (actually better in some areas.) The repeater has a negative offset and a PL of 110.9 Hz.

Please feel free to use this machine as you would use .23. In the future, we may link it with .23, at least for certain nets.

We have also decided to standardize on 147.42 as the BARC regular simplex frequency. In case of an emergency (or when trying to find people at a hamfest or show), you can expect to find BARC people here.

BARC Monthly Breakfast

Every month, BARC has a social breakfast on the second Sunday of the month, which is February 11 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!

February General Meeting

This month's BARC General meeting is on Thursday, February 15 at 7p.m., *not 7:30 p.m. as before.*

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.

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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.

Future General Meeting Dates

(Third Thursdays at 7 p.m.)

15 March 2001
19 April 2001
17 May 2001
21 June 2001
19 July 2001
16 August 2001

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. The net will switch to a new format in October. 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.

Boston Amateur Radio Club Business Meeting

1 February 2001

Recorded by Guy Bzibziak, KB1CRY, BARC Secretary

Present were:

Mike Ardai, N1IST, Executive Committee

Arthur Ashley, N1NHZ, Membership Services, ERT Leader
Guy Bzibziak, KB1CRY, Secretary
Leo Burke, KA1LN
Bob Cassell, N1ENS, Executive Committee
Jim Clogher, N1ICN, Treasurer
Mike Coffey, KB1EZL
Rick DeSisto, N1IWE
Dick Doherty, KA1TUZ, Vice-President
Mark Duff, KB1EKN, President
Peter Grace, KB1CVH
Dan Malloy, KA1RDX
Frank Murphy, N1DHW
Paul Olivieri, N1ZKR
Bob Salow, WA1IDA, Public Service

The meeting was called to order at approximately 1835hrs.

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

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

It was confirmed that the Tech No-Code Class for people interested in becoming licensed hams starts Thursday 8 February 2001, 7:00pm - 9:00pm. The class will meet on Mondays & Thursdays for a total of six sessions:

8 February 2001	12 February 2001
19 February 2001	22 February 2001
26 February 2001	1 March 2001,

with the license exam being given at a time & date to be announced in the class. The text for the course is "Now You're Talking", which will be sold at the class.

The chairman for Field Day 2001 is Mike Coffey, KB1EZL. The vice chairman is Leo Burke, KA1LN. Contact either to volunteer. A volunteer meeting will be held soon.

It was unanimously voted that the club purchase a Barker & Williamson broadband folded dipole antenna (full size) for use at field day and other events requiring HF capabilities.

Bob Salow, WA1IDA, reported that the next scheduled public service event is on 1 April 2001, the Multiple Sclerosis Walkathon. This is a qualifying event for hams that wish to volunteer for the Boston Marathon, which is 16 April 2001. The next event in April is the "Run of the Charles" on 29 April 2001. Contact WA1IDA for further details.

Another run of BARC member badges will be done soon.

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Simplex: 147.42

A "HF Night" is in the planning stages. This would demonstrate what can be done on the HF bands for those hams that are not already utilizing these frequencies.

The general meeting on 15 February 2001 will start at 7:00pm, instead of 7:30pm, in order to allow people a chance to socialize after the meeting.

The meeting adjourned at 2034hrs.

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, 1 March 2001 (1st Thursday of the month), 6:30pm. Check the Web page and/or listen to the repeater for a new location to be announced. Failing that being arranged in time, we will meet at the food court of the Cambridgeside Galleria Mall, down by the windows facing the lagoon.

Future Business Meeting Dates

(First Thursday at 6:30 p.m.)

1 March 2001
5 April 2001
3 May 2001
7 June 2001
5 July 2001
2 August 2001

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.

Mike Blackwell	KE3IG	Upgrade to Extra
Mark Duff	KB1EKN	Upgrade to General
Dave Coyle	K1OYD	Upgrade to General
Dick Doherty	KA1TUZ	Upgrade to General
Rich Edson	N1HXY	Upgrade to Extra
Dave Frizzell	N1OBK	
Paul Gustowski	N1IWC	
Mike Harmon	KB1FXE	
Bill McIninch	KA1MOM	Upgrade to Extra
Bill Moynihan, Sr.	WA1ZKH	Upgrade to General
James Sullivan	KB1FXD	
Ted Ts'o	N1ZSU	

In addition, we would like to note here any call sign changes you have made, and honor all members who upgrade. 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@arrl.net.

BARC VE Session

The Boston Amateur Radio Club holds its monthly VE session on the second Monday of each month. The next session will be at 7pm on Monday, February 12, 2001 (*this date may change*) at the Pierce School at 50 School Street in Brookline, Room 110 next to the cafeteria.

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 (Novice 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
Bob Wondolowski N1KDA
(508) 865 5822
wondobob@juno.com

Future Exam Dates

(Second Mondays at 7:00 pm)

12 March 2001
9 April 2001
14 May 2001
11 June 2001
9 July 2001
13 August 2001

I See the Future

- 8 Feb Technician Course (first meeting)
- 11 Feb BARC Breakfast
- 12 Feb VE Exam Session (subject to change)
- 15 Feb BARC General Meeting
- 1 Mar BARC Business Meeting
- 11 Mar BARC Breakfast
- 12 Mar VE Exam Session
- 25 Mar Framingham ARA Flea
- 1 Apr Multiple Sclerosis Walkathon (Rp)
- 15 Apr MIT Flea
- 16 Apr Boston Marathon (Rp)
- 24 Apr Aviation Expo
- 29 Apr Run of the Charles Canoe Race (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 PBBSSs regularly. If needed, contact any club member who has access to these.

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.

For Sale

- SWAN 500C TRANCEIVER
- SWAN 410C EXTERNAL VFO
- SWAN VX-1 VOX
- SWAN PHONE PATCH
- SWAN SWR-1 POWER METER
- SHURE CM17L MICROPHONE
- HEATH SM2410 FREQUENCY COUNTER
- DENTRON GLA-1000 AMPLIFIER

Swan gear works but can stand peaking up. Interconnection between the external VFO and the transmitter is available. The Dentron AMP is not working but is repairable. Documentation is with all but the frequency counter.

TAKE EVERYTHING AWAY FOR \$250.00

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TEL: 781-395-6681

E-MAIL: budmacc@aol.com

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.

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

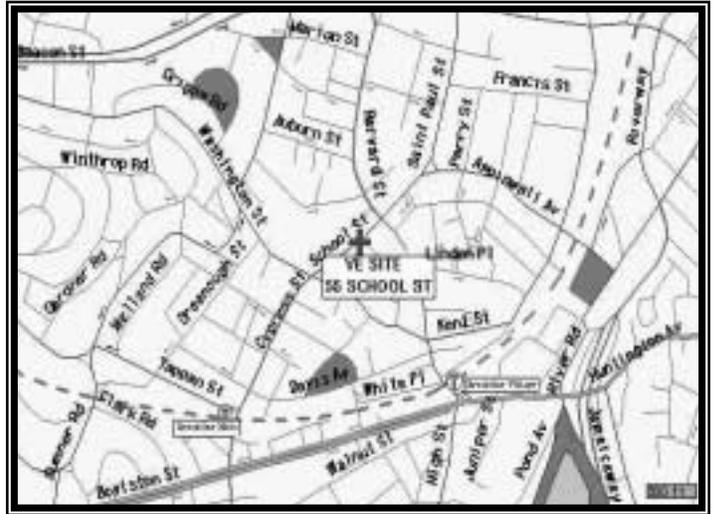
Originals of ads must be presented to the Editor in MS Word or .jpg format to print 1:1. Other composition will be at extra cost. We will be glad to quote other ad sizes and durations.

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@arri.net or 508.650.9440.



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



VE Session – Pierce School
 50 School Street, Brookline, Room 110 next to the cafeteria

BARC Officers and Staff

President: Mark Duff, KB1EKN	781.749.7664; emgmt@mediaone.net
Vice President: Dick Doherty; KA1TUZ	617.969.4880; ka1tuz@gis.net
Secretary: Guy Bzibziak, KB1CRY;	781.321.1104; kb1cry@arrl.net
Treasurer: Jim Clogher, N1ICN,	617.364.4658; n1icn@gis.net
Vol Exams: Bob Wondolowski, N1KDA;	508.865.5822, wondobob@juno.com
Dick Doherty; KA1TUZ	617.969.4880; ka1tuz@gis.net
Membership: Arthur Ashley, N1NHZ;	617.661.2988, n1nhz@arrl.net
Public Service: Bob Salow, WA1IDA;	508.650.9440; walida@arrl.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 WIME (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
Su 9:30pm	EMA Section ARES Net	146.61 and all MMRA links
(4 th Sun. of Month)		

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

Simplex: 147.42