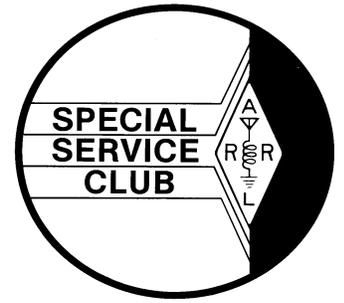




The SPARC

Volume XIV, Number 3; March 2002
Newsletter of the Boston Amateur Radio Club
<http://www.barc.org/barc>
w1bos@arrl.net



From the Office of the President:

After several attempts, the new antenna for the 145.23 machine has been installed. Preliminary tests suggest that the repeater is now back to its old self. A "job well done" goes to Dick Doherty, Mike Ardai, James Sullivan, John Garrett and Tom McAlear, Jr. who made it happen. During the process, John's hat was lost to the wind. We think it's out near Boston Light, so much for the clean up of Boston Harbor!

A small group of BARC members have taken it upon themselves to resurrect the Friday night Saturn/SWAT Net. Included each week, as part of the net is a NET 101-practice session. Members are available during this net to assist those who are looking to get some net control experience in a low-key educational atmosphere. Anyone of us could suddenly be called upon to serve as a net control operator. It is very important that BARC have a large pool of trained net control operators and participation in this net will help make that happen. Thanks go to KA1LN and AA1SX. It was only last month that the executive committee decided to suspend the net. See what happens when members step forward!

The next major event for BARC will be our participation in the SET drill on Saturday, March 23rd. Our Section Emergency Coordinator Mike Neilsen/W1MPN and his Staff has done a considerable amount of work to make this a comprehensive and yet enjoyable exercise. The drill will be based on a hurricane (plus several surprises). Our club will be participating under the leadership of BERT team director Rick DeSisto/NG1L. Contact Rick if interested in participating in the drill or becoming a member of the BERT team.

Field Day 2002 is quickly approaching. As usual, it will be held at Larz Anderson Park in Brookline. Recent field trips to the site have revealed some significant changes to the summit. Much of the parking area at the top has been eliminated and is being replaced with grass. In the long run, the changes made will benefit us considerably. There will be much more room at the top for Field Day operations. This year will be a challenge as this same area is under construction. The best part about being a ham is the ability to overcome adversity. We have been presented with a unique set of obstacles. I am sure we will overcome them. Overall, the Larz Anderson site is one of the best in New England. Chairman Mike Ardai/N1IST and the club need your assistance. Contact Mike if you plan on participating

Last but not Least, I have appointed Paul Olivieri/N1ZKR to serve as the CEMARC delegate. Through the efforts of Affiliate Club

Coordinator Frank Murphy/N1DHW, CEMARC [Counsel of Eastern Mass Amateur Radio Clubs] has once again become active. I have the utmost confidence that Paul will represent BARC in a professional manner and look forward to the betterment of our hobby from his participation.

By order of the President

Mark J. Duff/KB1EKN

Hams Wanted For The Multiple Sclerosis Walk

The Boston Multiple Sclerosis Walk will be held on **Sunday, 21 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. Note the shift in the schedule. This event had been held on the first Sunday in April, but the weather was too cold. Placing it a few weeks later should add to everyone's comfort.

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

Lunch is provided for all volunteers. Contact the Coordinator, Bob Salow, WA1IDA, to sign up or for more information. You can reach Bob by email at w1valida@arrl.net or by phone at 508.650.9440.

BARC Email List Moves

QTH.net, the people who provide the mailing list server that barc-list runs on, has upgraded their system to a new mailing list manager called Mailman. To post to barc-list, send a message to barc-list@mailman.qth.net from the address that you are subscribed from. Only subscribers can post to the list. This is to reduce spam.

You can subscribe, unsubscribe, or manage your qth.net subscriptions at <http://www.qth.net>. This change applies to all mailing lists previously on qth.net directly.

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

Simplex: 147.42

The New Club Repeater Antenna is up.

On Saturday, March 9, we finally were able to get the new antenna up. Thanks to N1IST, WN9T, KA1TUZ, AA1XS, and N1XUK for helping out. The old Stationmaster has been removed and a new DB Products 4-bay antenna has been installed in its place. This antenna is not as susceptible to damage caused by the antenna blowing in the wind, and hopefully will restore 145.23 to its old crunchies-free self. We should have some pictures up on the web shortly.

This Month in BERT

Rick DeSisto, NG1L

Information received at the SET meeting Saturday 02/23/2002.

The handout contained the scenario, 4 sealed envelopes to be opened 1 per hour, commencing at 10:00 AM, a copy of the Massachusetts Amateur Radio Emergency Communications Plan (available electronically in *Adobe (pdf)* format from www.qsl.net/N1CPE for those who are interested) and NTS traffic information and samples. NTS information is available on the ARRL web page or from www.qsl.net/N1LKJ.

We have been given permission to be inventive as we play along, however, remember that the general public may be listening, so with that in mind please begin and end your drill transmissions with the phrase "*THIS IS A DRILL*". Also, all NTS traffic will use the PRECEDENCE (TEST ROUTINE or TEST PRIORITY) and begin will begin with the phrase "*THIS IS A DRILL*".

We were told that the Eastern MA SEC Mike Neilson - W1MPN will be listening and playing along, so don't be surprised if due storm related problems you're suddenly told to use the repeater output in simplex or switch to another frequency.

FREQUENCIES

All official RACES Plan frequencies will be used (see page 7 & 8 of the RACES Plan), BARC/BERT may handle tactical traffic on the clubs repeaters 145.230 and /or 447.175, also if simplex is necessary we'll keep with the program and use the repeater output of 145.230 and /or PL / 447.175 no PL.

SCENARIO:

Hurricane Xavier is making its way up the coast at a rapid pace. The East coast is bracing for a category III hurricane as it moves North/Northeast and is just 50 miles off shore from Atlantic City, New Jersey.

I think I covered it however, feel free to contact me either by email NG1L@arrl.net by phone (617-387-4465) or catch me on one of the club repeaters 145.230 / 447.175

This drill is open to all amateurs that would like to participate, whether you are a member of BARC/BERT or not. For those of

you that do participate, remember "THIS IS A DRILL" and not the real thing so HAVE FUN!!!

73

Rick - NG1L

BERT Reminder

Frank Murphy - N1DHW

This is just a reminder that Saturday, March 23rd, will be the "Statewide Simulated Emergency Drill" involving all amateurs in Massachusetts. This drill is a test of the communication skills and preparedness of us all in the event of a disaster. While many of us feel that we are ready for such an emergency as 911, we were not; and we're still not ready. Here's an opportunity for us to sharpen our skills.

The Boston Amateur Radio Club plans to activate the Emergency Response Team, as well as supporting local cities and town EC's, along with those support agencies requiring communications assistance; SATERN, Salvation Army, Red Cross, and others.

To do this properly, we need your support. We are asking all BARC members of BERT, ARES and SkyWarn, to actively participate in this emergency drill, along with all other members of BARC. Everyone is needed. As you are probably aware of, the drill is a scenario planned around a fictitious Hurricane Xavier. Rep's from committed radio groups, EC's, and support agencies, picked up sealed envelopes at the MEMA bunker last week. These envelopes are to be opened at various times throughout the drill on Saturday, and contain simulated occurrences that we can expect to actually take place during an actual hurricane response, and to measure our ability to deal with them. This is also an excellent measure of BERT's own preparedness, and to point out our weaknesses and where its director, Rick, NG1L, needs to direct future training efforts.

Members of BERT, and those who plan to participate in the exercise, are asked to attend a planning meeting at Salvation Army Headquarters, 147 Berkley St., Boston, on Wednesday evening, March 13th at 7:00pm. As always, parking is free in the adjacent lot. Directions are on the BARC web page.

Even if you are not available for the entire drill, please make an effort to monitor it, and check-in on the club repeater sometime after 10am Saturday. ARES and SkyWarn members should also check-in on the Waltham 146.64 repeater.

IMPORTANT REMINDER: Any on-air communications must be preceded, or followed by the statement, " THIS IS A DRILL". We do not want to alarm scanner listeners, or traveling hams, that there may be a real disaster.

Orange Caps For Emergency And Public Service Events

BARC has a new supply of the bright orange caps for use at emergency or public service events. They are adjustable to fit all but the very largest heads, and proclaim, "Emergency Communications."

The price is \$5.00, and they are available at club meetings, or contact Dick, KA1TUZ or Bob, WA1IDA.

FCC Redesigns Amateur Service Web Site

From ARRL Letter, 22 February 2002

The FCC has redesigned its Amateur Radio Service Web site and changed the URL <http://wireless.fcc.gov/services/amateur/>. The new layout makes it easier to find information on topics most requested by amateurs, including licensing, amateur exams, filing an application, changing an address or using the Universal Licensing System (ULS). The refurbished site also provides links to recent Amateur Radio-related news from the FCC.

"The new design is a part of the Wireless Telecommunications Bureau's continuing effort to meet the needs of the Amateur Radio Service operators as identified in focus groups, letters, phone calls, and e-mails," the FCC said in a news release.

The new design clusters FCC public notices, news releases, and other official documents affecting Amateur Radio operators on the right side of the page. On the left side of the page, the new navigation scheme displays information on the Amateur Radio Service, the sequential call sign system, licensing and vanity call signs as well as amateur-related communications policies such as reciprocal agreements. The site also offers links to information on the limited federal preemption known as PRB-1, the Part 97 Amateur Service rules and the Wireless Telecommunications Bureau and ULS sites.

The site, launched on 20 February, includes a search engine for the entire FCC Web site <http://www.fcc.gov>. Direct questions or comments concerning the FCC's Amateur Radio Service Web site to Bobby Brown, bbrown@fcc.gov, or Jennifer Bush, jbush@fcc.gov. For information concerning the Amateur Radio Service, contact Bill Cross, bcross@fcc.gov, 202.418.0680.

Goodbye Media One

Are you among those who got changed from **mediaone.net** or **attbroadband.com** to **attbi.com**? Please let the BARC Keeper of the Database know your new email address. Just send an email with your name and call to walida@arrl.net.

You are not off the hook yet, however. As you may know, AT&T is in the process of selling its broadband business to Comcast. Standby for another change.

Insulate yourself. Since the vast majority of BARC members belong to ARRL, this probably pertains to you. We recommend that ARRL members sign up for the alias service. Your email address becomes **<callsign>@arrl.net**. You tell the service your actual Internet Service Provider (ISP), and your email is forwarded. Your ISP can jump all around, but the address you give to your correspondents stays the same. If there are changes, you just make one notification to the alias server that you have a new ISP. Check it out at the ARRL (members) web site: www.arrl.net.

Somebody May Claim To Be You

Compiled by Bob Salow, WA1IDA, from several sources

We've all heard horror stories about fraud that's committed using your name, address, Social Security Number, credit cards, etc. It is not hard to find people with first-hand knowledge - a wallet was stolen and within a week the thief(s) ordered cell phones, applied for another credit card, had a credit line approved to buy a computer, changed driving record information and more.

Protect yourself. Photocopy all items in your wallet. Copy both sides of each license, credit card, etc. You will know what you had in your wallet and all of the account numbers and phone numbers to call and cancel. Keep the photocopies in a safe place. If you have a scanner on your computer, you can scan them and store them *on a floppy disk*, not just on your hard drive.

Here's some more critical information to limit the damage in case this happens to you or someone you know. Of course, you will want to cancel your credit cards immediately, but the key is having the toll free numbers and your card numbers handy so you know whom to call. Keep that list where you can find it easily. File a police report immediately in the jurisdiction where it was stolen. This proves to credit providers you were diligent, and is a first step toward an investigation (if there ever is one).

Here is what is perhaps most important: Call the three national credit reporting organizations immediately to place a fraud alert on your name and Social Security Number. This was advised by a bank that said applications for credit are made over the Internet. The alert means any company that checks your credit knows your information was stolen and they have to contact you by phone to authorize new credit.

The credit reporting organizations are:
Equifax: 800.525.6285
Experian (formerly TRW): 888.397.3742
Trans Union: 800.680.7289

Social Security Administration (fraud line): 800.269.0271

Learn About The Incident Command System

An introductory course in ICS is available from the Federal Emergency Management Agency web site. You can study at home at your own pace. ICS is an organizational structure, which is just the application of good management practice, but flexible enough to adapt to any incident. It can be used to manage a small project, Field Day or a huge forest fire.

Most of the ICS is of little interest to hams, but as communicators we may find ourselves working with those who are using it, like MEMA and local agencies. This course gives you an overview of the structure.

Basic Incident Command System, IS-195 - The Incident Command System (ICS) is recognized as an effective system for managing emergencies. Several States (including Massachusetts) have adopted ICS as their standard for emergency management, and others are considering adopting it. As ICS gains wider use, there is a need to provide training for those who are not first responders, but who may be called upon to function in an ICS environment. This Basic Incident Command System Course will begin to meet that need.

The course, ICS-195, has been developed as self-instruction. The course includes a large number of scenarios, examples, and opportunities for students to apply what they have learned. If you plan to use the course materials which are available on-line, you do not need to enroll until you are ready to take the final exam.

Please note: The security FEMA provides on the Independent Study Courses requires Netscape 4.75 or above, or Microsoft Internet Explorer 5.0 or above.

To take this self-study course, go to the FEMA web site at www.fema.gov/emi/is195.htm and dig in.

BARC Monthly Breakfast

Every month, BARC has a social breakfast on the second Sunday of the month, which will be April 14 next 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!

March General Meeting

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

At this meeting, Jacques Patry, WD1I, of Groton Electronics will explain how to decide if your radio needs repair and what to do about it. Jacques has had many years of success repairing ham equipment. He will tell what you can do for yourself, and when it is time to have an expert look at it.

Jacques will also bring some specialized test equipment to check your hand held radio - so be sure to bring it to the meeting.

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.

People arriving after 7:15 p.m. need to ring the bell at the door to be admitted, as the door is locked then.

Future General Meeting Dates

(Third Thursdays at 7 p.m.)

18 April 2002
16 May 2002
20 June 2002
18 July 2002
15 August 2002
19 September 2002

Minutes of the Boston Amateur Radio Club Business Meeting

March 7, 2002

Recorded by Paul Carter, N1TMF

Present were:

Elliot Belin	K1PAV	
Paul Carter	N1TMF	SPARC Editor
Jim Clogher	N1ICN	Treasurer
Rick DeSisto	NG1L	BERT coordinator
Dick Doherty	KA1TUZ	
Mark Duff	KB1EKN	President
Paul Katz	N1LRT	

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

Simplex: 147.42

Dan Malloy KA1RDZ
Frank Murphy N1DHW
Paul Olivieri N1ZKR
Bob Salow WA1IDA Public Services
Steve Schwarm W3EVE
Joe Scully K1SQT
James Sullivan AA1XS

The meeting started at 7 p.m.

Committee reports were read and accepted.

The Treasurer reported that the club's balance in 3/7/2002 is \$4002.11

N1DHW reports that the JOTA Scout station this year will be at Thompson's Island, they are not interested in using BARC this year. Discussed was setting up WIBOS as a receiving station.

NG1L presented statewide RACES/ARES material for the March 23 SET. 8 Club members are committed.

SATERN will simulate something for SET.

Discussed was giving members the option of email only SPARC (instead of paper) to save the club money (about \$0.50 per month per member.) Nothing was decided.

N1IST and N1ZKR are proceeding with Field Day plans. Volunteers are needed!

Members can soon pre-order Field Day pins and tee shirts.

New antennas should be installed at the repeater Sat. afternoon (3/9.) (Ed. They were)

WA1IDA is reviewing a draft of the club brochure. The target audience needs to be defined.

N1DHW reports the Net 101 on Friday 9 p.m. was fine and should be repeated.

KB1EKN observes that M club net controls should use the club call (W1BOS) rather than their personal call.

W3EVE pointed out that rumors to the contrary, hams are still needed for the Boston Marathon. People can volunteer on the BAA's website.

Table Display (Picture Box) is being worked on at VE sessions.

WA1IDA showed some BARC business cards he designed. He can make them available to members "for an arm and a leg."

K1PAV says that the Boston Local Emergency Planning Communication Committee (LEP) needs two members.

KA1TUZ reports that three students ("good ones") had survived the Tech. License class to this point.

The meeting adjourned at 8:30 p.m.

The next Boston Amateur Radio Club business meeting will be held Thursday, April 4 (1st Thursday of the month), 7:00pm, at the Parlin Memorial Library [410 Broadway, Everett, MA] (off rt. 99) in Everett, MA. Check the Web page and/or listen to the repeater for directions.

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.

Future Business Meeting Dates

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

2 May 2002

6 June 2002

4 July 2002 (subject to change for the holiday)

1 August 2002

5 September 2002

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, April 8, 2002 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 (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).

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

Simplex: 147.42

- 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

Mike Ardai, N1IST

781.321.7939

n1ist@arrl.net

or

Dick Doherty, KA1TUZ

617.969.4880

ka1tuz@arrl.net

Future Exam Dates

(Second Mondays at 7:00 pm)

13 May 2002

10 June 2002

8 July 2002

12 August 2002

9 September 2002

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 upgrades and long lost members who rejoin, so greet them, too.

Brian Guck KB1GFS

Mike Legere KE1LU

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@arrl.net**.

I See the Future

21 Mar BARC General Meeting

4 Apr BARC Business Meeting

14 Apr BARC Breakfast

18 Apr BARC General Meeting

21 Apr MIT Flea

21 Apr Multiple Sclerosis Walk **(Rp)**

27 Apr NE Antique RC (Nashua NH)

28 Apr Run of the Charles Canoe Race

3,4 May HossTraders (Hopkinton NH)

11 May RIFMRS Flea (Forestdale RI)

19 May MIT Flea

24-25 Aug ARRL NE Div Conv (Boxboro)

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

1 Sept International Triathlon **(Rp)**

6 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 PBBs regularly. If needed, contact any club member who has access to these.

ARISS Packet System To Be Upgraded Soon

From ARRL Headquarters

Newington, CT February 21, 2002

Normal packet activity with a real call sign should resume soon on the International Space Station. Amateur Radio on the International Space Station (ARISS) Board Chairman Frank Bauer, KA3HDO, says a new packet module sent up to the ISS last August will be installed by February 25.

Since Amateur Radio gear was installed on the ISS in 2000, the packet system--crippled with a dead RAM (random access memory) backup battery--has been operating in digipeat mode using the NOCALL call sign and other ROM (read-only memory) defaults. Earthbound users have been able to access the system nonetheless, but the lack of a call sign has been an annoyance.

Bauer said the new module, using the call sign RS0ISS, will employ a specially developed ROM programmed with standard ISS defaults, a new battery and an extended memory--up to one megabyte. The TNC also has eight-bit capability to support Russian Cyrillic typesets, and a one-minute timeout disconnect from the PMS if no pertinent packets are heard.

Although the mailbox function will be activated, hams are discouraged from using it. "Currently there is no computer hooked up to the packet module," Bauer explained. "In addition, the crew will be much too busy to respond to messages posted there."

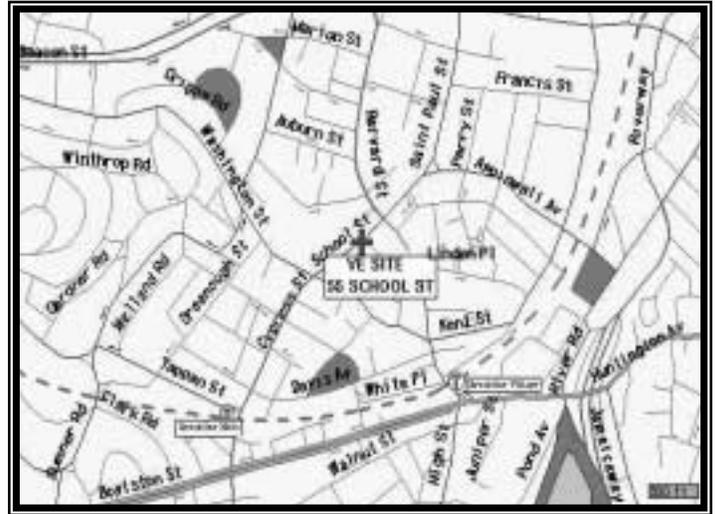
ARISS packet radio frequencies will remain the same. The uplink is 145.99 MHz, the downlink is 145.80 MHz.

For more information on the new packet hardware and the ARISS equipment, visit the ARISS Web site at, <http://ariss.gsfc.nasa.gov/EVAs/amsat01.pdf>.

Simplex: 147.42



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: Mike Ardai, N1IST;	781.321.7939, n1ist@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, N1IST;	781.321.7939, n1ist@arrl.net
Dick Doherty; KA1TUZ	617.969.4880; ka1tuz@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.

The SPARC is published monthly by the Boston Amateur Radio Club. The design and content are Copyright 2002, all rights reserved. Permission is hereby granted to reprint or distribute by electronic or other means any material herein, provided this publication and the issue date are credited. Such permission is limited to use for non-commercial purposes for the benefit of the Amateur Radio community. Permission for other purposes must be obtained in writing.

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
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 Newslines)	145.47
Su 9:30pm (4 th Sun. of Month)	EMA Section ARES Net	146.61 and all MMRA links

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

Simplex: 147.42