



The SPARC
Newsletter of the Boston Amateur Radio Club
Volume XVI, Number 1; January 2004
<http://www.barc.org>
w1bos@arrl.net



The President's Word

-- Paul Olivieri, N1ZKR

Greetings everyone. I hope that everyone had an enjoyable holiday season in 2003. Thanks to members from BARC who spent their New Year's Eve not at First Night, but operating radios at WIMSA, the Salvation Army EOC in Boston, and at the Red Cross EOC in Waltham, as well as monitoring at home or on their portable and mobile radios. This was for the limited ARES activation that evening due to the Dept. of Homeland Security Level Orange alert. While there were no major incidents in Boston that evening, our communications volunteers were ready.

Since it is now January, it is time to renew your BARC membership since our memberships run with the calendar year. In 2003, over 40% of members have included an additional donation beyond the cost of dues with their membership. Another way to help the club's finances is to choose to receive *The SPARC* newsletter by email rather than a paper copy by snail mail. The club currently spends over \$2,000 annually to produce and mail the paper newsletter. All of these donations enable BARC to do things beyond just mailing newsletters and occasional maintenance and repair to the repeaters. Activities like Field Day, special event stations, a possible a summer cookout and operating equipment upgrade and replacement. It all can happen, but at a price.

This month the speaker at our General Meeting on January 15, 2004 will be from our hosts at The Salvation Army to tell us about SATERN and their other programs. Blake, K1BTH, would still like to have help with the speakers program and from anyone who could help with the behind-the-scenes work for BERT – the Boston Amateur Radio Club Emergency Response Team.

Thank you for your donations, thank you for your participation, and thank you for being ready to help when needed. Stay safe.

Membership Renewal

For those who have not yet renewed BARC membership for 2004, a Membership Information form is enclosed. Our fiscal year is the calendar year, so all membership renewals begin on 1 January. We need your continued support to help you get the most out of ham radio and to benefit our community.

Please ease the burden on the Treasurer by renewing promptly. Complete the form and bring it to the club meeting or mail it with your check to the address shown. Of course, we would prefer to see you at the meeting(s).

January General Meeting

Starting the new year will be a very informative presentation of an overview of SATERN, the Salvation Army Emergency Radio Network. This is a network of nationwide and international hams prepared to meet the communications needs of The Salvation Army Disaster Service. The numerous SATERN accomplishments here in Boston will also be discussed.

BARC members Bill Foley, KB1GLF, and Frank Murphy, N1DHW, will cover the subject at the BARC General meeting on Thursday, 15 January. The meeting will begin at 7:00 pm at the Boston Headquarters building of The Salvation Army. Details are elsewhere in this issue. A map is shown on page 7.

As our hosts every month, the Salvation Army has proven to be a great friend of BARC. Bill and Frank will speak about their agency's mission and the Salvation Army Emergency Disaster Service. It should be an interesting presentation and we urge you to arrive early so we can get started right on time.

BARC General Meetings

-- Blake T. Haskel, K1BTH

The General meetings are held on the third Thursday of each month at the Salvation Army, 147 Columbus Ave, at the corner of Berkeley St in the third floor auditorium.

Our meetings are convenient to public transportation. The nearest **T** stations are Back Bay on the Orange and Purple lines (exit the rear of the station and walk down Columbus), and Copley or Arlington (use the Berkeley St exit) stations on the Green line.

Free parking is available in the lot adjacent to the Salvation Army building. The entrance to the lot is from Columbus Ave (across the street from the firehouse). A map appears on page 7 of this newsletter.

If you arrive after 7:15 pm, ring the bell at the door to be admitted, as the door is locked at that time.

As we enter the New Year, please help me out by submitting ideas for speakers. I am a one-man army and can only do so much. I need ideas! There are so many different aspects of this hobby that we should have people lining up with ideas. If you have an idea for a speaker or presentation, please feel free to send them to me. You can reach me at k1bth@arrl.net. My telephone number is

781.925.9900. Remember – this is your club. Tell me what you want and I'll try to make it happen.

Future General Meeting Dates

(Third Thursdays at 7:00 pm)

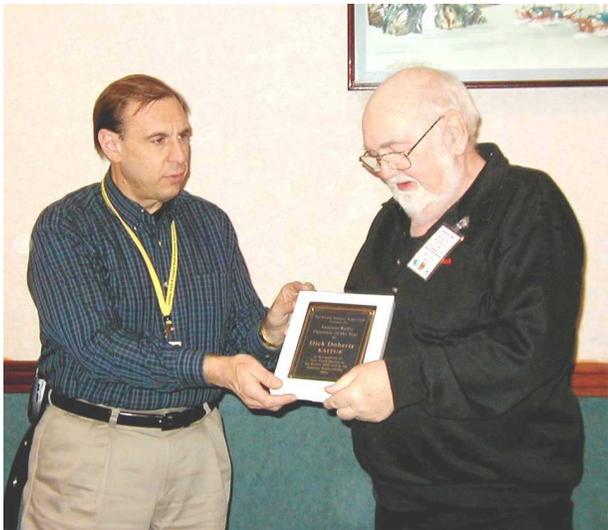
15 January 2004
19 February 2004
18 March 2004
15 April 2004
20 May 2004
17 June 2004

A Rousing Good Time

-- Bob Salow, WA1IDA

How could you not have a good time when BARC members with their families and friends throw a party? The BARC Holiday Party on 18 December drew 35 happy people to the Tin-Tin Buffet Restaurant in Brighton. Food, food and more food! Add to that a warm welcome and good cheer. We had a great time, but if you weren't there this time, be sure to plan for it next year.

At the party, Dick Doherty, KA1TUZ, was honored as 2003 BARC Ham of the Year. Dick is the first person to receive the honor a second time. "Dick has consistently given his all to promote ham radio and the Boston Amateur Radio Club," commented BARC member Frank Murphy, N1DHW (an earlier recipient).



Dick Doherty, KA1TUZ (right) is shown receiving the Boston Amateur Radio Club's 2003 Ham of the Year award from club president Paul Olivieri, N1ZKR, at the club's annual Holiday Party on 18 December. (Photo by N1DHW)

FCC Announces New Universal Licensing System Interface

-- ARRL Bulletin 071

The FCC has unveiled a new on-line filing interface for its Universal Licensing System (ULS), on the web at <http://wireless.fcc.gov/uls>, which includes the Amateur Service.

Among other features, the ULS's new look includes easier-to-read on-screen forms that guide users through filing and simplify such routine tasks as applying for license renewal, address change or

vanity call sign. The FCC says the introduction of its new system, called "ULS License Manager," concludes phase one of an ongoing ULS overhaul by the Wireless Telecommunications Bureau.

ULS License Manager should be compatible with most major Web browsers and computer platforms and no longer will require downloading Java and Java Script files.

The ULS requires all filers to log into the system using an FCC Registration Number (FRN) and Commission Registration System (CORES) password. Taxpayer Identification Numbers (TINs) no longer will be accepted for log-in purposes, the FCC said.

Once the new system is up and running, all licenses and applications in the ULS database will be converted to the new ULS License Manager filing environment.

There is also a new paper version of FCC Form 605, dated December 2003. One change is that Form 605 no longer requests a date of birth and will only accept an FRN and CORES password. There are no Amateur Service-related changes to any Form 605 schedules. The FCC says Amateur Service applicants may continue to use the March 2001 (or later) edition of Form 605, although it encourages use of the newest version. The new FCC Form 605 now is available via the FCC Web site at www.fcc.gov/forms/form605/605.html.

To assist with any ULS issues the Technical Support Hotline staff will be available weekdays (except holidays) from 0800 until 1800 Eastern Time. Technical Support is also available via the FCC Web site at <http://esupport.fcc.gov>, or by phone at 877.480.3201 (TTY 202.414.1255).

ULS licensing support and forms information is available weekdays (except holidays) from 0800 until 1730 Eastern Time via email at ulshelp@fcc.gov, or by phone at 888.225.5322, Option 2 (users also may call 717.338.2888).

Ham Radio News Is As Close As Your Cell Phone

-- ARRL Letter, October 17, 2003

With many major cellular telephone calling plans largely eliminating roaming charges and offering "free nights and weekends," ARRL Audio News dial-up Amateur Radio news service now is more available than ever. Using your cell phone, you can keep up with Amateur Radio news even if you're someplace where you don't have Internet or email access. Amateur Radio news is as close as your cell phone!

Have a few minutes while you're waiting for the train, bus, car pool or connecting flight too? Just call 860.594.0384 to stay informed. ARRL Audio News remains available on the ARRL Web site www.arrl.org/arrlletter/audio/.

SATERN Net Changes

-- Frank Murphy, N1DHW

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

Simplex: 147.42

The time and frequency for the Northeast SATERN Net have changed. It now meets on 7.265 MHz each Saturday at 0900. You are invited to check in.

The Life of the Meeting

-- Bob Salow, WA1IDA

The meetings are one of the highlights of our club. We get together, see old buddies, meet new ones, and maybe learn something. Besides learning from the others present, a feature of each meeting is a speaker or presentation that can start us thinking and even doing.

There is a wealth of aspects of ham radio to be explored (even if we don't want to get into them). Let's spread that wealth around. If you want a subject covered, or if you know of a speaker on a subject that you think may interest us, get the word to Blake.

Blake Haskell, K1BTH, will make the arrangements with the speaker and the schedule, *but he needs your help* to get the ball rolling. Email him at k1bth@arrl.net or phone at 781.925.9900.

Get Your Newsletter Hot Off the Wire

-- Bob Salow, WA1IDA

In an effort to conserve club resources, we are offering early access to *The SPARC* electronically to save the costs of paper, printing and postage. The 2004 Membership Information form (enclosed) gives you the opportunity to accept receiving this newsletter at a private member web site as soon as it is published. You will be notified by email each month as soon as the issue is ready for access.

There is considerable cost associated with the mailed hard copy. This can be saved thanks to your acceptance and the generous efforts of Mike, N1IST, who has organized the electronic publication.

If you agree to help save money for the club, check that acceptance on the Membership Information form. And please be sure to provide an accurate email address, clearly written, for your monthly notification. Thanks.

BARC Monthly Breakfast

BARC holds a social breakfast on the second Sunday of each month; the next is January 11, followed by February 8. We meet at the Old Country Buffet at the Watertown Mall at 8:30 am.

We just get together, socialize and eat, without having any formal club events or business. Family and friends of club members are welcome also. The extensive buffet breakfast is *very* good. The cost is reasonable at \$7.23; for seniors it is \$6.71.

The Old Country Buffet is in the Watertown Mall, on Arsenal St. in Watertown. There is plenty of mall parking. The #70 T bus from Central Square Cambridge to Watertown Square stops right at the Watertown Mall. We hope to see all of you there.

There are three kinds of men: The ones that learn by reading, the few who learn by observation, and the rest who have to pee on the electric fence.

If all is not lost, where is it?

Cold Proof Positive



As noted in the December issue of The SPARC, BARC participation in the SKYWARN Recognition Day on 6 December was an effort against the storm. The evidence at the Blue Hill Observatory shows (l-r) Mark, KB1EKN, Hank, K1QK, Joe, KB1IXK, and Bob, WA1IDA. The photo is not fuzzy - it's the snow in gale winds! At the top edge of the photo, the bottom edge of the gale warning flag can be seen. Photo by Geri, KB1ISG

BARC Business Meeting

Because of the New Year holiday, the Business meeting was postponed to 8 January. However, the newsletter deadline cannot wait, so the meeting minutes are not available here. Check our web site for the minutes after the meeting.

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, 5 February (usually the first Thursday of each month, but it is occasionally moved because of a holiday), at 6:30 pm. We meet at the Parlin Memorial Library, 410 Broadway (Rt 99) Everett MA. Parking is available on the street or across the street behind the post office. The #110 T bus from Wellington stops across the street

Future Business Meeting Dates

(First Thursday at 6:30 pm -- *note new time*)

5 February 2004
4 March 2004
1 April 2004
6 May 2004

3 June 2004
1 July 2004

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 7 pm on Monday, January 12, 2004 at the Pierce School, 50 School St in Brookline; Room 110, next to the cafeteria.

If the Brookline public schools (or the Pierce School itself) is closed due to inclement weather or other problems, the exam session for that month will be cancelled. Otherwise, the exams will be on the second Monday of each month (first Monday in October due to Columbus Day).

There is a free parking garage at the circular driveway. If driving, enter School Street from the Washington St side (opposite 394 Washington), rather than from Harvard St. 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 T Green Line to the Brookline Village station. Walk north along Harvard St 0.2 miles to School St, then turn left. The Pierce School is on the left. The #66 bus runs on Harvard St, crossing School St.

Talk in on 145.230 MHz (-), PL 88.5 Hz.

We give all exams (Technician thru Extra, CW and written). 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 CSEs you are claiming, and a photocopy of them
- Valid ID (picture ID preferred)
- A pen and a calculator (if you want to)
- **\$12.00** (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 \$12 fee. Code and written tests can be taken together at the same session for a single \$12 fee.

The needed FCC forms will be provided.

For further information, contact:

Mike Ardai, N1IST, 781.321.7939 nlist@arrl.net

Dick Doherty, KA1TUZ, 617.969.4880 ka1tuz@arrl.net

The Hunt for VEs Is On

-- Mike Ardai, N1IST

The Volunteer Examiner team is looking for qualified examiners to help with the BARC monthly VE sessions. Most of the time we have at least the required three volunteers, but sometimes we may need more help, especially if 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.

Future Exam Dates

(Second Mondays at 7:00 pm - except as noted above)

12 January 2004
9 February 2004
8 March 2004
12 April 2004
10 May 2004
14 June 2004

I See the Future

11 Jan	BARC Breakfast
12 Jan	BARC VE Session
15 Jan	BARC General Meeting
17 Jan	NE Antique RC (Nashua NH)
5 Feb	BARC Business Meeting
8 Feb	BARC Breakfast
9 Feb	BARC VE Session
14 Feb	AARC Flea (Marlboro)
18 Apr	MIT Flea

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 145.230 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.

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

Simplex: 147.42

Amateur Radio Assists in Iran Earthquake Relief

-- ARRL Letter, 2 January 2004

Turkey Amateur Radio Club President Aziz Sasa, TA1E, reports that three Amateur Radio operators joined the Turkish Relief Team that departed for the incident location - the city of Bam, some 600 miles south of Tehran - from Istanbul 27 December aboard a military aircraft. Local communications will be carried out on 2-meter simplex with HF operation on 14.270 MHz during the day, and on 7.092 MHz or 3.777 MHz during hours of darkness.

Soyhan Erim, TA2IJ, will handle HF operations at the Turkish Incident Command Post. He is part of the Ministry of Health team. Erdinç Sarimusaoglu, TA2RJ, is part of the AKUT Search and Rescue Team, while Mustafa Yuceturk, TA1CAN, is a member of the Istanbul Civil Defense Search-and-Rescue team. Also on site is Serdar Demirel, TA2NO, a member of the Ankara Civil Defense SAR team, who arrived earlier.

ISS Commander Gets On The Air With New Ham Gear

The ARRL Letter, Vol 23, No 01

Astronaut Mike Foale, KB5UAC, fired up the new Phase 2 Amateur Radio on the International Space Station (ARISS) equipment December 21 to make a number of 2-meter contacts with amateurs around the world. The Expedition 8 commander completed QSOs with amateurs in Australia, Europe and North America from 1100 to approximately 1700 UTC.

"I heard him at approximately 1100 UTC and also on the next pass," commented Ib Christofferson, OZ1MY, on the SAREX reflector. "He had a large pileup."

A new Kenwood TM-D700E VHF-UHF dual band transceiver was installed late last fall in the ISS Zvezda Service Module - the crew's living quarters. ARISS International Chair, Frank Bauer, KA3HDO, said official permission to use the new gear came December 17. The RS0ISS packet system also is back in operation.

"This equipment, including antennas, radios, hardware and software were developed and provided by a diverse set of team members located around the world," Bauer said in a year-end statement. "This was quite a challenge to make happen."

Activation of the new gear means a power boost from 5 W to 25 W for the NA1SS downlink signal. It also means the ISS now has two functional ham stations. Additional Phase 2 equipment - which could go into space this month - is to include a slow-scan television (SSTV) system and a Yaesu FT-100 HF/VHF/UHF transceiver.

"I was able to hear him from as far out as 1200 miles," reported Arthur Rowe, N1ORC, of Lawrence, MA. "I guess that the new output power was helping."

Foale's operation was part of a special event to honor SAREX/ARISS Working Group Chairman Roy Neal, K6DUE, who died last August. Stations contacting or monitoring the ISS on voice (NA1SS) or packet (RS0ISS) through the end of 2003 are eligible for special event certificates. See "K6DUE ISS Commemorative Event Certificates" on the ARISS Web site, www.rac.ca/ariss for details.

ARISS is an international educational outreach program with participation by ARRL, NASA and AMSAT.

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 and enlist prospective advertisers who are appropriate to our readers.

For additional information, contact Paul Carter at n1tmf@pvcronics.com or 617.232.6982; or Bob Salow at wa1ida@arrl.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, at n1tmf@pvcronics.com.

Catch Us on the Internet!

-- Mike Ardai, N1IST

The Boston Amateur Radio Club has a web page at <http://www.barc.org>. Here you can find some of the latest BARC news, sample exams, maps to our meetings, VE sessions, links to other radio clubs, and a club roster (only names, call signs, and email addresses are on-line). If you have any suggestions, please let me know at n1ist@arrl.net.

New on our web page are the club articles:

<http://www.barc.org/articles.html>

and bylaws:

<http://www.barc.org/bylaws.html>.

We also run an FTP site at [ftp.barc.org](ftp:barc.org) under <pub/hamradio>. We've got a mirror of the ARRL infoservert, BARC documents, ham radio software, and a huge mods archive.

We also run a club email list via qth.net. 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.

Be an Instructor – Here's Help

The ARRL Field and Educational Services is pleased to announce the newest resource for active Volunteer Instructors: *The Online Instructor Primer*.

This new compilation by Linda Mullally, KB1HSV, is jam-packed with helpful tips, links, and tutorials that are sure to help instructors eager to try new ideas and approaches. The web primer is organized so that information can be located in an instant. Just use the handy index, and topics ranging like "Planning" "How to Get Volunteers to Teach" and "Take Advantage of Special Events" are just a key-click away.

Quick-links give you full-access to many ARRL services. Becoming a Volunteer Instructor has never been made easier. Go ahead - read why being an Instructor can be so rewarding! Just go to www.arrl.org/fandes/ead/instructor/oip/ see how easy it has become to be an instructor.

W1AW Winter Operating Schedule

-- ARRL Bulletin ARLB001, 5 January 2004

Morning Schedule (UTC):

Time	Mode	Days
1400	CWs	Wed, Fri
1400	CWf	Tue, Thu

Daily Visitor Operating Hours (UTC):

1500 - 1700
1800 - 2045

(Station closed 1700 to 1800 UTC)

Afternoon/Evening Schedule (UTC):

2100	CWf	Mon, Wed, Fri
2100	CWs	Tue, Thu
2200	CWb	Daily
2300	RTTY	Daily
0000	CWs	Mon, Wed, Fri
0000	CWf	Tue, Thu
0100	CWb	Daily
0200	RTTY	Daily
0245	VOICE	Daily
0300	CWf	Mon, Wed, Fri
0300	CWs	Tue, Thu
0400	CWb	Daily

Frequencies (MHz)

CW: 1.8175 3.5815 7.0475 14.0475 18.0975 21.0675 28.0675 147.555

RTTY: - 3.625 7.095 14.095 18.1025 21.095 28.095 147.555

VOICE: 1.855 3.990 7.290 14.290 18.160 21.390 28.590 147.555

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

Notes:

CWs = Morse Code practice (slow) = 5, 7.5, 10, 13 and 15 WPM
CWf = Morse Code practice (fast) = 35, 30, 25, 20, 15, 13 and 10 WPM

CWb = Morse Code Bulletins = 18 WPM

CW frequencies include code practices, Qualifying Runs and CW bulletins.

RTTY = Teleprinter Bulletins = BAUDOT (45.45 baud) and AMTOR-FEC.

(100 Baud). ASCII (110 Baud) is sent only as time allows.

Code practice texts are from *QST*, and the source is given at the beginning of each practice and at the beginning of alternate speeds.

Tuesdays and Fridays at 2330 UTC, Keplerian Elements for active amateur satellites are sent on the regular teleprinter frequencies.

A DX bulletin replaces or is added to the regular bulletins between 0100 UTC Thursdays and 0100 UTC Fridays.

In a communications emergency, monitor W1AW for special bulletins as follows: Voice on the hour, Teleprinter at 15 minutes past the hour, and CW on the half hour. FCC licensed hams may operate as shown above. Be sure to bring your current FCC license or a photocopy.

Net Volunteers Needed

The Eastern Massachusetts 2M Traffic Net, the Heavy Hitters' Traffic Net, and the BARC Club Net are always in need of volunteers to act as Net Control Station. This is excellent practice for emergency communications, and also an opportunity to sharpen your operating skills among a friendly group of people. For further information, please contact Mike Ar dai, N1IST.

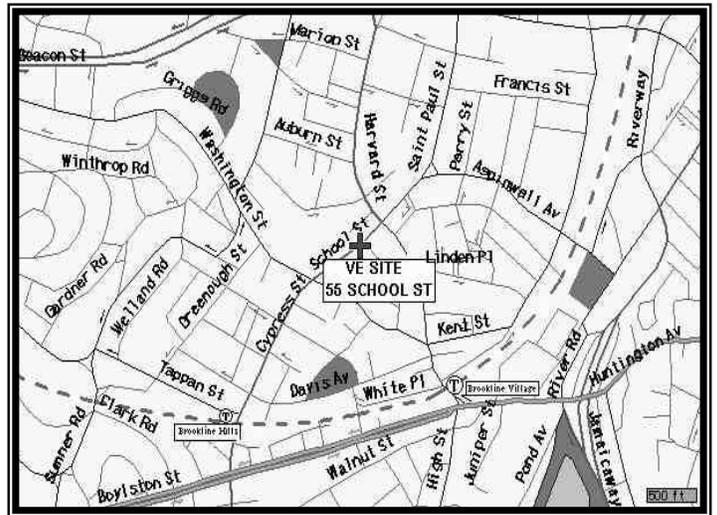
Letting the cat out of the bag is a whole lot easier than putting it back.

My wild oats have turned into prunes and All Bran.

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	Paul Olivieri, N1ZKR	617.782.4005	n1zkr@juno.com
Vice President:	Blake Haskell, K1BTH	781.925.9900	k1bth@arrl.net
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	Dick Doherty, KA1TUZ	617.969.4880	ka1tuz@arrl.net
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Newsletter Editor	Paul Carter, N1TMF	617.232.6982	n1tmf@pvcronics.com
Programs & Activities	Blake Haskell, K1BTH	781.925.9900	k1bth@arrl.net

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 Boston Amateur Radio Club publishes *The SPARC* monthly with information in the interest of BARC and Amateur Radio. The design and content are Copyright © 2003, 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 5:30 pm	Eastern Mass/Rhode Island Phone Net (NTS)	3.915
daily 7 and 10 pm	Eastern Mass/Rhode Island CW Net (NTS)	3.658
daily 8 pm	Eastern Mass 2M Traffic Net (NTS)	145.230 (PL 88.5)
daily 8 pm	Slow Speed CW Net	28.160
daily 10:30 pm	Heavy Hitters Traffic Net (NTS)	146.640
Mon 9 pm	BARC Club Net	145.230 (PL 88.5)
Tue 8 pm	MMRA Club Net	146.610 and all MMRA links
Tue 9 pm	EMA Public Safety Net	145.230 (PL 88.5)
Tue 9 pm	NETARC Satellite Net W1ME, NCS	446.575 (PL 88.5)
Wed 8 pm	Wellesley Amateur Radio Society Net	147.030
Wed 9 pm	HHTN Swap Net	146.640
Thu 8:30 pm	Amsat Net N1OHJ, NCS	146.640
Fri 9 pm	SWAT Net and Net Control 101	145.230 (PL 88.5)
Sat 9 am	Northeast SATERN Net	7.265
Sun 9:30 am	Yankee SSB Net (6M)	50.275
Sun 7 pm	Youth Net	146.610 and all MMRA links
Sun 7 pm	Algonquin Amateur Radio Club Net	53.470 (PL 100.0/71.9), 223.860 (PL 241.8), 446.675 (PL 88.5)
Sun 8:30 pm	NSRA Net (with Newslines)	145.470
4th Sundays 9:30 pm	EMA Section ARES Net	146.610 and all MMRA links

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

Simplex: 147.42