



The SPARC

Newsletter of the Boston Amateur Radio Club

Volume XVII, Number 3; March 2005

<http://www.barc.org>
w1bos@arrl.net



In Spring, a Young Ham's Fancy Turns to...

-- Eric Falkof, K1NUN

To antennas, of course! The snow is still here and those trees, towers, chimneys, and, yes, even those attic crawl spaces are just begging to let loose with new antlers, sky-hooks, and signal-snatchers. What are you planning to do in the next few weeks?

Over the winter, I reviewed some plans for Windoms. This is an odd antenna that looks like a letter-T, but fed off center by 14%. That single wire feedline, depending on length, has a 600Ω impedance which is suitable for loading with an unbalanced line tuner. There is a variant that can be fed with balanced line, with 300Ω impedance, or one fed by (unbalanced) coax with about 75Ω impedance. So, having coax and no balanced line, I had to wind a trifilar coil; that is, with three interwoven windings in series.

But, what kind of coil? An old acquaintance, I7SWX, designed a "coil" that uses a ferrite rod, or two together, with the wire wound around it. (Do a web search for "I7SWX windom.") I've been searching for a weatherproof housing that I can hang from the pulley in the tree (it was hung while some limbs were removed a few weeks ago). Some PVC tubing should do.

Recently, I recommended a doublet to an apartment-bound ham. Snake it wherever you can, but avoid metallic objects. His antenna will be simple, indoors, and invisible. Mine will be larger, outdoors, and probably will glow like a beacon. But making contacts is what it's all about. What are you doing to catch signals this spring? Remember, the sunspots will become more favorable as summer approaches this year and it will be easier to hear and work DX on the frequencies from 10 to 54 MHz. VHF/UHF activity will grow as VHF and UHF contests come up, and more with summer's temperature inversions and ducting.

Spring is soon to arrive! Plan your antenna system now!

We Really Do Want To Know...

-- Mike Ardai, N1IST

The Boston Amateur Radio Club is *your* club. To better serve your needs and interests we have a short survey that we would like you to take. Please go to www.barc.org/survey.html - it is painless and should take only a few minutes. Thanks for your help in improving your BARC.

March General Meeting

-- Blake T. Haskell, K1BTH

The next BARC General Meeting will be on Thursday, March 17, 2005 at 7:00 pm. Our speaker will be Fred Hopengarten, K1VR, a noted telecommunications attorney and entrepreneur. Fred's presentation is: "Getting it Up and Keeping It Up". (This is just as K1BTH wrote it. -Ed.)

Fred Hopengarten received his first FCC license in 1956. In 1993, he wrote the user's manual accompanying a software program for ham radio contesting that is the most popular such program in the world (over 25,000 users). He was also an *alpha* tester for the program, and designed or aided in the design of many of its screens. He serves as a Volunteer Counsel for the ARRL, working particularly on local zoning matters, which will be the focus of his presentation.

Our General meetings are held on the third Thursday of each month at the Salvation Army Headquarters, 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 at 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.

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 pm)

17 March 2005
21 April 2005
19 May 2005
16 June 2005

Down in the Dumps (A Happy Story)

-- Eric Falkof, K1NUN

Dumps? Happy? Read on!

To understand this story to its fullest extent, you have to know a bit about the landfill ("the dump") in my town. You see, my town has an extensive recycling effort. Almost 70% of what comes in leaves to be recycled. Paper, glass, plastic... Not much stays here.

So, there I was yesterday, dumping my paper into the big bin, when I saw the empty cardboard box for an Icom 735 transceiver. Well, go back about 15 or 18 years and that was *the* transceiver to have. Yes, but an empty box. But wait! What's that all around? Why, dozens of copies of *QST*!

Omigosh! I said to myself. Perhaps I said it out loud, because a couple of people turned to me and said "Huh?" My inner spirit was aroused to that of a hunter in pursuit of prey. I could feel a small bead of perspiration between my shoulder blades and my pulse quickened.

I continued my chores when I saw that second footstep in the sand, the broken twig, the smoke trail in the distance. I saw a young man carrying a cardboard box toward the paper recycle bin, and the imprint on the box said Lafayette Radio!

I abandoned my pride and said, "Was that you who dumped the load of *QST* magazines?"

"Yeah," he replied.

"Are there any radios or electronic stuff where those came from?" said I.

"No," said he, "that's all gone. You want these magazines?"

"Where?" I asked, as I took the box of *QST*s.

"Dumped in the scrap metal bin," he replied."

"Not in the electronics recycling shed?"

"No, scrap metal."

Sadly, I thought here was a worker cleaning out the house of a Silent Key, and somewhere in this landfill is some kind of radio equipment the surviving family did not want.

Well, with the zeal of a radio rescuer, I was on a mission. Have you ever seen a hunting dog that has seen the bird fall from the sky, hightailing it to the site where the bird has fallen? Well, that was me as I made the round to the end of the landfill's recycling stations. Imagine a tractor trailer, full-size loading bin. You've seen them, perhaps driven behind them, as they haul thousands of pounds of scrap to the smelter. I checked its load from the platform that overlooked the open pit, and there it was. At the far end, nestled between a filing cabinet and the bin wall... The HRO dial was staring up to the sky. And to me!

By its design, I could tell this predated WW2, and here it was in an anonymous grave to meet an ignominious fate.

I looked for the landfill manager who was nowhere to be seen. But, one of the workers was walking nearby, so I called him.

"Can you help me retrieve something from the scrap metal bin, please?" I asked.

"Like what," he said.

"An antique radio from before World War II." But I could get hurt jumping in there.

"So could I or anyone else," I countered, "It's from the Navy" I guessed, but thought it made a good story.

He thought, and then climbed up the rail and jumped in. A cloud of construction dust leaped up from the debris and he clambered to the wall. He jerked the file cabinet aside, grabbed the HRO, and put it on the top edge of the bin for me to take.

I thanked him (he had been in the Navy) and showed him the dial and the changing vernier scale and the plug-in coil set. Dusty, but it was great. And it was mine.

So, dear reader, you now know the story how being down in the dumps can sometimes be a good thing, too.

[For those of you who must know, it was actually a CNA-46080, a military version of the so-called HRO Jr. Designed in 1939 by the National Company, this one fulfilled a 1941 Navy contract, according to the plate on the front. This was the receiver that mated with a transmitter, the whole being the RAS-3. The coil is set 7, covering 14.0-30.0 Mc. Having survived WW2 and another 60 years, the dumpster did not seal its fate.]

BARC Swap & Giveaway!

Do you have something you no longer need and would like to give it a good home where it will be appreciated and valued? A radio, an antenna, some test equipment, or...? Bring your worthwhile items *that a single person can carry* to any BARC General meeting. We will allow a few minutes at the meeting to find that item a new home. However, if nobody wants it, *you* have to bring it back to *your* home!

Walk for Hunger

The 2005 Walk for Hunger will be held on Sunday, May 1. Ham help is needed for this event in Boston, Newton and Watertown. If you are interested, go to <http://cpsg.amateur-radio.net/> or call 781 275-3740.

Membership Renewal

The BARC fiscal year is the calendar year, so our membership renewal process is up and running. If you have not yet renewed for 2005, you can do it with one finger (if that's your typing method). Fire up your computer and go to www.barc.org/membership.html or click on the membership link on our home page. Fill out the Membership Information form on line and you can pay your dues (and add a donation, if you can) using secure PayPal (even if you don't have a PayPal account). Our PayPal address is w1bos@arrrl.net.

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

Simplex: 147.42

Hams Needed for Multiple Sclerosis Walk

-- Bob Salow, WA1IDA

The 2005 Boston Multiple Sclerosis Walk will be held on **Sunday, 10 April**. The course *should* be the same as last year, but the permits are still to be granted. Since we have supported this event for many years, adjusting to conditions should not be a problem. The Start/Finish is planned to be on the Boston Common near the corner of Beacon St and Charles St. Hams should arrive at or before 1000.

The Walk route is planned to proceed to the Esplanade, and continue west on the Boston side of the Charles River. A short course crosses to Cambridge on the Harvard bridge (Massachusetts Ave), and the long course continues to the River St Bridge. On the Cambridge side, proceed east on Memorial Dr to O'Brien Hwy. Cross back to Boston on the Science Park Bridge. Return west to the Esplanade and back to the Boston Common.

As usual, hams will be posted at checkpoints, several hazardous or confusing locations, several shadows, and a mobile unit. The usual hearty lunch will be provided for all volunteers. Assignments will be rotated so all can get lunch and see the scenery.

Your assistance is valuable. Please let me know ASAP if you can help again this year. Get back to me if you have any questions or would like to recommend another ham to join us. Contact:

Bob, WA1IDA
walida@arri.net
508.650.9440

Volunteers Needed for Boston Marathon Communications - April 18th, 2005

-- Mark Duff, KB1EKN

Amateur Radio operators are needed to work the 109th running of the Boston Marathon. Each year Amateur Radio operators play a vital role at the Boston Marathon. We are the ones who provide a complete communications package from the starting line to the finish line and everything in between. Our ability to utilize multiple repeaters and coordinate the necessary radio traffic at one central location is vital to the safety of the runners, volunteers and spectators. With over 20,000 runners and 1 million spectators, reliable communications is absolutely essential. You can be part of this great event.

Positions are available at the Start in Hopkinton, along the course and at the Finish at Copley Square in Boston. Assisting with Amateur Radio communications can be exciting, rewarding and is some of the best hands-on training available. Over 200 hams are needed this year.

Additional information and sign up instructions can be found at www.bmarc.info We look forward to hearing from you!

Questions may be directed to Mark Duff, KB1EKN, emgmt@comcast.net

Looking Ahead At Public Service

-- Bob Salow, WA1IDA

When hams engage in public service as mandated by the FCC Rules, the benefits go well beyond just following the rules. We can enjoy our hobby - have fun! We protect the health and safety of event participants. We support worthy charities. We learn to work within an organized effort. We experience the technical aspects of operating under adverse conditions. We practice communicating under emergency conditions. We can demonstrate these qualities to the communities we serve and thus promote our service for their acceptance.

Throughout the year BARC coordinates numerous public service events. Most of these are open to hams who are new to helping at such events as well as experienced hams. Here are some of the 2005 events we have been asked to support in the coming months. In some cases, formal recruiting will not take place until closer to the event. Feel free to contact Bob Salow, WA1IDA, if you have any questions - walida@arri.net or 508.650.9440.

- ◆ *Multiple Sclerosis Walk* - **10 April** - Charity walk in Boston and Cambridge.
- ◆ *Blue Hill Observatory Open House* - **30 April** - Public presentation of ham radio in Milton.
- ◆ *Run of the Charles* - **24 April** - Canoe races on the Charles River from Needham to Boston.
- ◆ *Bikes Not Bombs* - **May** - 15-, 25-, 62-mile bicycle tours in western and southern suburbs of Boston.
- ◆ *Muddy-Buddy* - **June** - Staged athletic event in Plymouth. We may support but not coordinate.
- ◆ *Tri-Boston Triathlon* - **4 September** - Swim, Bike, Run race in Boston and Cambridge.
- ◆ *WGBH Ice Cream FunFest* - **September** - Logistics management, ham radio public awareness in Boston.
- ◆ *BAA Half Marathon* - **9 October** - 13.1 miles; 98% in Boston, 2% in Brookline.

Other events may jump in on short notice. Among our skills is the ability to apply our technical, organizational and staffing quickly and proficiently. Join our team and join in the fun.

BARC Growth

It's a rare month when we fail to add a few new members. 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.

Yardley Beers WØJF
David O'Connor KB1ETU

Make it a point to introduce yourself when you see them at a meeting. 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@arri.net .

URGENT - We Need Storage Space

BARC owns equipment which is presently stored in several locations. These locations will not be available after Field Day. We would like to consolidate this equipment in a new safe and secure location.

We need about a 10' x 10' space which is weather-tight and has reasonable access after hours - particularly in an emergency. The material includes cable, antennas, spare parts, tents, etc. No hazardous materials or fuel will be stored there. Ideally, electrical service and a light will be available.

We are seeking space in the Boston area located for ease of access for work parties. If you have space or an outbuilding that can be donated, or you know someone we can approach for this use, please contact Eric, K1NUN, at k1nun@netscape.net or 508.358.4554; or Blake, K1BTH, at k1bth@arrl.net or 781.925.9900.

All BARC equipment used at Field Day will then be sent to the new home for BARC equipment. Please help us find that home.

PowerPoles Revisited

-- Eric Falkof, K1NUN

Anderson® PowerPole® connectors are a powerful (ouch!) adjunct to our accessories. They allow a rapidly interchangeable power connector to mate with various devices without regard to the male-female matching and they offer high reliability at home and in the field. The Boston Amateur Radio Club has acquired a special tool to use with these connectors. We have sufficient connectors to allow each member to have and install two pairs - free, as a membership benefit. Additional connector pairs can be purchased for only \$1/pair.

Tools and connectors will be available at each meeting for installation, instruction, and assistance.

(Anderson and PowerPole are registered trademarks of the Anderson Power Corporation.)

Last Month and Next...

-- Eric Falkof, K1NUN

If you missed last month's meeting, you failed to hear our own Bill Ohm, W1OHM, who told us about DXing and contesting. He told us about what is needed and the self-training he went through to get the experience, and he tested us with several quizzes, including our ability to decipher four CW signals that only our own ears could separate. See Eric, K1NUN, for a CD with Bill's presentation.

Our March speaker, as described elsewhere in *The SPARC*, is Fred Hopengarten, K1VR, who will tell us about antennas, zoning, and what we hope will be their happy marriage. (Fred, if you don't know, was once the youngest licensed ham in the US, so his experience is vast, and he is not that old.)

Heavy Hitters Traffic Net Has Moved to Boston

The Heavy Hitters Traffic Net (HHTN) is now held on the BARC VHF repeater, 145.230 MHz (-), CTCSS 88.5 Hz, Monday through Friday at 2230 hours local time. Formerly meeting on the Waltham repeater (146.640 MHz), this move is considered semi-permanent pending evaluation of the Waltham repeater.

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, which also saves the costs of paper, printing and postage. Even if you have already renewed your 2004 membership, but neglected to check to accept receiving the newsletter electronically, all you need to do is send an email to the Keeper of the Database at wa1ida@arrl.net. Let him know you want to help BARC save money.

Please provide your name, call and an accurate email address. You will be notified by email each month as soon as the issue is ready for access at a private member web site as quickly as it is published.

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.

I See the Future

13 Mar	BARC Breakfast
13 Mar	Boston's Run To Remember (Rp)
17 Mar	BARC General Meeting
19-20	S Shore Model Railroad Club Open House (Hingham)
20 Mar	SSMRC Model Railroad Show (Weymouth)
10 Apr	Multiple Sclerosis Walk (Rp)
3 Apr	FARA Flea (Framingham)
7 Apr	BARC Business Meeting
10 Apr	BARC Breakfast
10 Apr	Multiple Sclerosis Walk (Rp)
17 Apr	MIT Flea
21 Apr	BARC General Meeting
24 Apr	Run of the Charles (Rp)
30 Apr	Blue Hill Observatory Open House
6,7 May	Hoss Traders (Hopkinton NH)
15 May	MIT Flea
19 Jun	MIT Flea

(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.

Minutes of the Boston Amateur Radio Club Business Meeting

March 3, 2005; Recorded by Paul Olivieri, N1ZKR, Secretary

The meeting was called to order at 1832.

Those attending:

Mike Ardai	N1IST	
Hank Buccigross	K1QK	
Jim Clogher	N1ICN	Treasurer
Mark Duff	KB1EKN	
Eric Falkof	K1NUN	President
Joe Harris	KB1IXK	
Dan Malloy	KA1RDZ	
Paul Olivieri	N1ZKR	Secretary
Bob Salow	WA1IDA	Public Service

Committee reports:

Public Service Bob reminded us about the Boston Run to Remember on Sunday, March 13, 2005. He said that many hams have volunteered and he probably has all he needs for that event. Bob will meet soon with the Race Director to go over the final course layout and notify people of their assignments. Also coming up this spring is the MS Walk and the Bikes Not Bombs ride.

Mark, KB1EKN, said that he needs volunteers to help at the Blue Hill Observatory Open house on April 30, 2005. BARC will have a display and a demonstration station. The Observatory staff was very pleased with BARC's participation at SKYWARN Recognition Day and a photo of our activity was placed in their recent newsletter.

Mark also said that BARC has been invited to an Astronomy Open House at the Clay Center in Brookline on April 16.

Newsletter Paul, N1ZKR, showed the new electric stapler that was bought to replace the old and ailing stapler that was being used for newsletter production.

Repeaters Mike, N1IST, noted that a Kenwood TKR 720 has been acquired as a backup for the 145.230 machine.

Treasury Jim, N1ICN, reports a balance of \$3691.41.

Old Business:

Jim, N1ICN, told us that a donation was made to the Boston Shriners Burn Center in memory of Greg Richardson, N1QLS, SK. An acknowledgement will be sent to his wife, Priscilla, N1VQY, who has been a long time Net Control op for the Public Safety Net. Both Greg and Pris have been very active in the Boston ham community and CEMARC.

The speaker for the March General Meeting will be Fred Hopengarten, K1VR, who will talk about antennas, CCRs, and zoning issues.

Mike, N1IST, reports that there have been more responses to the on-line survey and another reminder will go into the March *The SPARC*. Mike will also send a message to the BARC-List.

Mark, KB1EKN, stated that the Bylaw Committee had a very productive meeting and they feel that the bulk of the work is done. They will bring recommendations and items for which they would like input to the Executive Committee at the April Business meeting.

Eric, K1NUN, is still looking for input on the brochure. He will do some further tweaking of the text and hopefully we can find some photos.

New Business:

2005 Boston Marathon: Mark, KB1EKN, reported that he had been to a BMARC meeting and that while things seemed to be going slowly that he felt that there is progress. They report that there are now over two hundred volunteers and could still use a few more. Marc said that BARC participation in the consortium would be a positive step.

A motion was made by Jim, N1ICN, and seconded by Joe, KB1IXK, that the Boston Amateur Radio Club should join the Boston Marathon Amateur Radio Communications consortium in support of Amateur Radio communications for the Boston Marathon. After discussion, the President called the Exec Committee to vote on the motion. The motion passed with four yeas, one nay, one abstention and one member absent.

Field Day: Eric, K1NUN, and Joe, KB1IXK, are leading the charge and will be contacting some key people who have helped in the past to once again lend their expertise in certain areas.

A storage area for the club equipment is still needed for post Field Day.

Eric, K1NUN, has asked for volunteers for a Nominating Committee, and for anyone interested in a club office to please make their interest known.

The meeting adjourned at 2044.

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, April 7 (first Thursday of the month), starting at 6:30 pm. We meet at the Parlin 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)

7 April 2005
5 May 2005
2 June 2005
7 July 2005
4 August 2005
1 September 2005

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

Simplex: 147.42

BARC VE Sessions

The Boston Amateur Radio Club holds its monthly VE sessions on the second Monday of each month. Sessions are held at 7:00 pm at the Pierce School, 50 School St in Brookline, Room 110, next to the cafeteria. Future exam dates are listed below. A map is shown on page 7 of this newsletter.

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.

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: 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 CSCEs you are claiming, and a photocopy of them
- Valid ID (picture ID preferred)
- A pen and a calculator (if you want to)
- **\$14.00** (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 \$14 fee. Code and written tests can be taken together at the same session for the same \$14 fee.

The needed FCC forms will be provided.

For further information, contact:

Mike Ardai, N1IST, 781.321.7939 n1ist@arrl.net

Dick Doherty, KA1TUZ, 617.969.4880 ka1tuz@arrl.net

Future Exam Dates

(Second Mondays at 7:00 pm)

14 March 2005

11 April 2005

9 May 2005

13 June 2005

11 July 2005

8 August 2005

If Brookline schools are closed, the VE exams will be canceled.

BARC Monthly Breakfast

BARC holds a social breakfast on the second Sunday of each month. We meet at the Old Country Buffet at the Watertown Mall at 8:30 am.

We just get together, socialize and eat, without any formal club events or business. Family and friends are welcome. The extensive buffet breakfast is *very* good. The cost is reasonable at \$7.23; less for seniors. If you are not a BARC member, you 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. There is plenty of parking. From Memorial Dr, continue on Greenough Blvd to the Watertown exit, turn right on Arsenal St. 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 – and bring your appetite!

Hams Needed for Exhibit at the Big E

The Eastern States Exposition, the "Big E," has had a successful ham radio exhibit and demonstration for many years. Once again, hams are needed to greet the tens of thousands of visitors and show what ham radio can do.

Located in West Springfield, MA, the dates are 15 September through 2 October. Any day, any shift, you can help. To get more info, email to: larry@yahoo.com .

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.

Boston Area Hams Could Be Reading Your Ad

The SPARC accepts commercial advertisements. BARC encourages monthly promotion of your products and services that would be of interest to our 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.

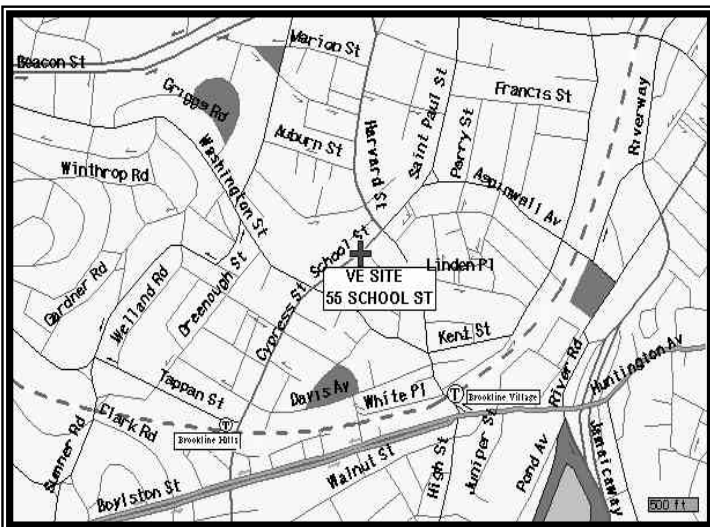
For additional information, contact Paul Carter at n1tmf@pvctronics.com or 617.232.6982; or Bob Salow at walida@arrl.net or 508.650.9440.

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

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	Eric Falkof, K1NUN	508.358.4554	k1nun@netscape.net
Vice President:	Blake Haskell, K1BTH	781.925.9900	k1bth@arrl.net
Secretary	Paul Olivieri, N1ZKR	617.782.4005	n1zkr@juno.com
Treasurer	Jim Clogher, N1ICN	617.364.4658	n1icn@rcn.com
Volunteer Exams	Mike Ar dai, 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@arrl.net
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 © 2004, 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
Mon - Fri 10:30 pm	Heavy Hitters Traffic Net (NTS)	145.230 (PL 88.5)
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 Newline)	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

GET IT UP AND KEEP IT UP

Antennas and the towers that keep them in the sky are sometimes seen by neighbors as undesirable - even before they are installed. Fred Hopengarten, K1VR, is the authority on the visual and legal considerations on managing to get your antenna or tower up and operating.

If you have or hope to have an installation, urban or suburban, Fred is the one to listen to. He will share his views on this subject at our next General Meeting.

The next General Meeting is:
March 17, 2005 at 7:00 pm
at the Salvation Army Headquarters building
Columbus Avenue at Berkeley Street
Boston
(parking in the adjacent lot on Columbus Avenue)
Talk-in on 145.230 MHz (PL 88.5 Hz)

Help eradicate blank space!

Get your news, views, stories and other contributions for the April 2005 issue of *The SPARC* to Paul Carter, N1TMF, by April 8.

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