

The SPARC

Newsletter of the Boston Amateur Radio Club

Volume XVIII, Number 5; May 2006 http://www.barc.org w1bos@arrl.net



President's Column

Blake T. Haskell, K1BTH

It is absolutely gorgeous outside so my column will be brief this month.

I'd like to thank Eric Falkof, K1NUN, for his most excellent presentation on QRP last month. We had a good turnout and as an official member of the four thumbs club, I am amazed that he can construct radios in such small containers. Good job.

There will be an exercise with the City of Boston SNS program on June 3. Thanks to those members who have volunteered to help. A full report on the exercise will be published after the event. This will be a high profile event and BARC has an opportunity to showcase our EMCOMM skills to the public safety community in Boston.

Plans are also underway for the first BARC mini-golf tournament. The date will be Sunday, July 30. The location is on Route 9 in Natick. Family and friends are cordially invited and we'll have some nifty prizes to hand out. BARC hereby throws down the gauntlet for other Amateur Radio clubs in Eastern Massachusetts – we'll kick your butts!

Spring is a busy time for public service events. Bob Salow, WA1IDA, has a bunch of events scheduled and we (he) need(s) your help. Please contact Bob at **wa1ida@arrl.net** if you're interested in working at one of these events. They're both fun and educational. Sharpen your EMCOMM skills and have fun at the same time. You may also score a free T-Shirt!

BARC had an ugly incident recently with a couple of members verbally abusing each other. While I wasn't present at this incident, the details have been relayed to me. Personal attacks on members will not be tolerated during BARC events. We gather to discuss Amateur Radio and related topics. If you have ill feelings toward someone, please keep them to yourself and treat everyone with the dignity and respect as you would want to be treated.

Remember – this is your Club. Tell us what you like and don't like so we can make it a better experience for you. Get involved and have some fun. Stop reading this and get outside and enjoy the beautiful weather – go practice your golf skills – we'll need you! See you next month – 73s.

June Business Meeting Location

The BARC Business meeting for June will be at the Salvation Army building, in the *second floor cafeteria*, starting at 6:30 pm. Enter the building through the door closest to the parking lot.

BARC General Meeting – 18 May

-- Blake T. Haskell, K1BTH

The WINLINK 2000 program is being considered as a "standardized" data communications protocol for Amateur Radio Emergency Services. Tom Kinahan, N1CPE, is very knowledgeable about this burgeoning program, and will present the advanced capabilities of this system for us. Tom is the Massachusetts State RACES Radio Officer, and a long time member of BARC.

Tom works closely with the Massachusetts Emergency Management Agency (MEMA) and Amateur Radio operators throughout the Commonwealth. He has spoken to BARC before about NTS procedures and is an excellent speaker. It should be an enlightening presentation. Please join us.

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 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.

Talk-in is available on 145.230 MHz (-), CTCSS 88.5 Hz. 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 any ideas about topics that you would like to see presented, please feel free to contact one of your officers and we will see what we can do to make it happen for you. Remember, this is *your club* and we are here to serve you.

Future General Meeting Dates

(Third Thursdays at 7:00 pm)

18 May 2006
15 June 2006
(*No meetings in July and August – watch for other activities!*)
21 September 2006
19 October 2006

Let's agree to respect each others views, no matter how wrong yours may be.

Nominating Committee Appointed

President Blake Haskell, K1BTH, has appointed a Nominating Committee for the election of officers at the June General meeting. The committee members are Bob Salow, WA1IDA, Chair; and Hank Buccigross, K1QK.

We are actively soliciting members who are interested in holding office. There is nothing secret or magic about assisting the club to grow and be active. If you are new to such affairs, there is plenty of help available. You will have the satisfaction of providing fellow hams with a strong organization. If you are interested, contact any of the committee members.

The committee's nominating slate will be announced at the May General meeting and published in *The SPARC*. Nominations from the floor (including self nominations) are held open until the vote is taken for each office.

You may question any of the candidates before the election is held. Only members may vote. Our bylaws do not permit proxies or absentee ballots.

Bob, WA1IDA - **wa1ida@arrl.net** - 508.650.9440 Hank, K1QK – **hbuccigross@rcn.com** – 781.862.0418

SKYWARN Training Schedule

Training sessions for SKYWARN spotters in Greater Boston have been announced for 2006.

18 May Thursday 1900 to 2200
South Congregational Church - Downstairs Meeting Hall
60 Prospect St
Peabody MA
(Directions at: www.nsradio.org)

20 May Saturday 1200 to 1500 Concord Academy 166 Main Street (Route 62) Concord MA

10 June Saturday 1200 to 1500 Wilmington Middle School Carter Lane Wilmington MA

17 June Saturday 1200 to 1500 Natick Public Training Center Rear entrance to Police Dept Bldg 20 East Central St (Route 135) Natick MA

SKYWARN is a program sponsored by the National Weather Service (NWS) to increase surface weather information during critical events. Instruction is provided to spotters to identify and report ground weather information to NWS. SKYWARN is supported by a well-organized ham radio activity. It is not necessary to be a ham operator to take this valuable training.

Amazing! You just hang something in your closet for a while and it shrinks two sizes.

BARC Growth

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

Larry Berk	W1MLG
Bose	VU2XIB

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: **wa1ida@arrl.net**.

Have Breakfast With BARC

BARC holds a social breakfast on the second Sunday of each month at the Old Country Buffet in the Watertown Mall at 0830.

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.

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!

We Supported Two MS Walks

-- Bob Salow, WA1IDA

The Multiple Sclerosis Society had two concurrent events on 8 April: one, the usual Boston Walk from Boston Common, around the river and back. The other, for the first time, was the Journey of Hope from Wellesley to Boston. We established a single Net Control at the Common and monitored the safety and support of all the walkers as they raised a generous lot of money for research.

Hams were posted at the checkpoints, at the hazardous and confusing locations, and with key sponsor staff members. As in recent years, these Walks also provided experience for some hams to participate in other public service and emergency events. The Multiple Sclerosis Society Walk Director praised our support extensively. Hams participating were:

Arthu	N1NHZ	Gary	N1ZCE
r			
Hank	K1QK	Fred	KB1LLO
Rick	NG1L	Jim	N1ICN
Ralph	N1LAH	Brenda	KB1MVJ
Chris	K1HU	Tom	N1TB
Elaine	KB1IBF	Ross	KB1MGD
Jim	WB2PID	John	N1PYN
Bill	KA1MO	Kathy	KB1LPW

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

Simplex: 147.42

M Bob WA1IDA Rick KB1LYJ Sandy KB1HAD

Bikes Not Bombs Needs Us Again

After years of sponsoring bicycle rides to benefit youth bicycle programs, the Bikes Not Bombs organization of Boston realized the value of reliable communications. BARC has been asked to assist this event again this year. The date is **Sunday, 11 June**.

There are three concurrent ride courses - 15 mile, 25 mile, and 62 mile; each with separate rest stops and support vehicles. 190 riders are expected, and we are tasked with monitoring the rest stops, follow vehicles and a few shadows. All rides start near Jamaica Pond. There will be no assignments on the streets.

We assemble at 0800 at a restaurant parking lot in Roxbury Crossing. Cars can be left there as the lot is secure. Transportation will be provided to the outlying rest stops, but you may proceed directly if you wish. The shorter courses should be finished by 1400 and the longest course should finish by 1630. All finishes are at Mississippi's Restaurant where a gourmet dinner buffet will be provided. Note that our gourmand food testers have declared this feed to be superb.

We want to demonstrate the community value of ham radio. If you can help, please contact:

Bob Salow, WA1IDA - walida@arrl.net - 508.650.9440

Run of the Charles Paddled Smoothly

-- Bob Salow, WA1IDA

The last Sunday in April brings out hundreds of canoes, kayaks and over 1000 paddlers to glide down the Charles River between Needham and Brighton, sponsored by the Charles River Watershed Association. The river has numerous dams with dangerous consequences. That's where hams come in - along with CRWA volunteers. The safety of the participants was monitored by 17 devoted hams. We supported the portages and the logistics of the event under a warm sunny sky. The hams who helped were:

Ed	W1PD	Chris	K1HU
John	KB1EB	Paul	N1LRT
Jeff	K1EMS	Jeff	KB1NGX
Arthur	N1NHZ	Giampaolo	W1ITA
Andy	N1OSG	Mike	N1EVH
John	N1FLO	Ed	K1EP
Allan	K1VQ	Bob	WA1IDA
Ralph	N1LAH	Sandy	KB1HAD
Russ	WB1DGS		

Meet and Greet At the Observatory

-- Mark Duff, KB1EKN and Bob Salow, WA1IDA

The Blue Hill Observatory in Milton/Canton held its annual Open House on 29 April. The staff invited BARC to set up an information table and stations to interact with their visitors. We gladly accepted and installed an HF station on 20 meters and two VHF stations – one on simplex and one on repeaters. Most

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

visitors to the weather observatory showed interest in our demonstrations.

From the elevation of 635 feet, it was easy to make two-meter simplex contacts all over the area. Twenty meters enabled contacts around the country. The visitors were impressed. On hand from BARC were:

Joe	N1RLO	Hank	K1QK
Frank	N1DHW	Bob	WA1IDA
Mark	KB1EKN	Jeff	KB1NGX

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 is a general look ahead at some of the events in 2006 that we will be asked to support. Formal recruiting will not take place until closer to each event. Feel free to contact Bob Salow, WA1IDA, if you have any questions - wa1ida@arrl.net or 508.650.9440.

Bikes Not Bombs – **11 June** – Triple bicycle rides in Boston and suburbs.

Boston Triathlon – **3 September** - Swim, Bike, Run race; in Boston and Cambridge.

WGBH Ice Cream FunFest – **16 September** - Logistics management; ham radio public awareness in Boston.

BAA Half Marathon – **8 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 and learning.

In Support of "Plain Language"

-- FEMA NIMS FAQ from ARES E-Letter, February 15, 2006

The use of plain language in emergency response situations is a matter of public safety, especially the safety of first responders and those affected by the incident. It is critical that all local responders, as well as those coming into the impacted area from other jurisdictions, know and use commonly established operational structures, terminology, policies and procedures. This is what NIMS and the Incident Command System (ICS) are all about - achieving interoperability across jurisdictions and disciplines.

The use of common terminology is about the ability of area commanders, state and local EOC personnel, federal operational coordinators, and responders to communicate clearly with each other and effectively coordinate response activities, no matter what the size, scope or complexity of the incident. FEMA requires that plain English be used for multi-agency, multijurisdiction and multi-discipline events, such as major disasters and exercises. Beginning in the fiscal year that starts on 1 October 2007, federal preparedness grant funding is contingent on the use of plain English in major incidents requiring assistance from responders from other agencies, jurisdictions and functional disciplines. It is important to practice everyday terminology and procedures that will need to be used in emergency incidents and disasters. NIMS implementation is a long-term effort and it's probably not possible to persuade everyone to change ingrained habits overnight. But over time, everyone will understand the importance of using common terminology, that is, plain English, every day. See

http://faq.fema.gov/cgi-bin/fema.cfg/php/enduser/std_alp.php

NIMS/ICS Training Essential for Volunteers

The Department of Homeland Security is requiring all first responders, including volunteers, to complete at least introductory training in the National Incident Management System (NIMS) by 2007. This sounds formidable, but in reality there is an Independent Study course from FEMA that covers it. The course is IS-700. Go to **www.training.fema.gov/emiweb/is/crslist.asp** and find the course list. Follow directions and you will get to IS-700. Readers can take the course on line or download the material and do it at their own pace. It shouldn't take more than three hours in any case. There's a final exam on line, but it isn't going to cost much sweat (or any money - courses are all free). After passing the final, the student will get notification by e-mail or regular mail.

NIMS incorporates the ICS and adds the component "Multiagency Coordination Systems," a combination of facilities, equipment, personnel, procedures, and communications integrated into a common framework for coordinating and supporting incident management.

Also, look at the rest of the course offerings on the FEMA training Web site. They represent a wealth of knowledge, organized so that we can get through them and actually learn something. They aren't rocket science, just good stuff we need to know! See also courses IS-100, and IS-200.

Minutes of the BARC Business Meeting

May 4, 2006; Recorded by Paul Olivieri, N1ZKR, Secretary

The meeting was called to order at 1850. Those attending:

Mike Ardai Arthur Ashley Hank Buccigross Jim Clogher Dick Doherty Bill Foley	N1IST N1NHZ K1QK N1ICN KA1TUZ KB1GLF	Treasurer
•	-	
Joe Harris	KB1IXK	
Repeaters: 145.23	(-) PL 88.5	447.175 (-) PL 110.9

Blake Haskell	K1BTH	President
Dan Malloy	KA1RDZ	Vice President
Frank Murphy	N1DHW	
Paul Olivieri	N1ZKR	Secretary
Bob Salow	WA1IDA	
Jeff Lind	KB1NGS	

The minutes of the April meeting were approved as published in *The SPARC*.

Committee reports:

<u>Treasurer</u> Jim reports the bank balance is \$3222.95, after paying the insurance premium.

<u>Repeaters</u> Mike reports that the repeaters are working fine. No further progress on the IRLP linking. There has been a request to use the 145.230 repeater for the Walk for Hunger, which the trustee has granted.

<u>Exams</u> The next exam session will be on Monday, May 8. A decision was made to cancel exams for July and August as no one will be at the school and special arrangements would have to be made to use the school on those dates.

<u>Membership</u> Arthur contacted a former member who is interested again.

<u>Public Service</u> Bob reported that there were three successful events: the MS Walk (actually two concurrent walks); the Run of The Charles canoe race; and the Open House at the Blue Hills Observatory.

The Bikes-Not-Bombs bicycle rides will be on June 11 and we could still use some volunteers. Also upcoming are the Boston Triathlon on September 3, WGBH Ice Cream FunFest on September 16, and the BAA Half Marathon on October 8. Bob will be recruiting volunteers for those events.

Old Business:

The telephone tree - It was suggested that some sort of notice should be sent to all members to determine who is willing to be called in the event of an emergency activation.

On Saturday June 3, BARC will participate with the Strategic National Stockpile and Mass. Dept. of Public Health in a drill at several locations in Boston.

BARC will participate in a drill with the Salvation Army in June.

The discussion of goals and objectives was tabled until the June meeting.

It was decided to continue holding our Business meetings at the Salvation Army for the indefinite future, subject to availability, because it is the most convenient location for the majority of members.

Bob, WA1IDA, will order 500 "Hello Program" brochures from the ARRL. We will pay for postage.

New business:

Blake received a call from a Boston Police official who would like to meet with us about having a ham in the Unified Command

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Center at Police HQ during major events. Blake, K1BTH, Mark, KB1EKN, and Jim, N1ICN, will meet with them next week.

Net control operators for the Monday evening BARC net needs a schedule of "back up" NCSs for each week in case the regular net control is not available. After some discussion, it was noted that *any* station that is monitoring should start the net if the regular net control does not come up shortly after 2100 hours. However, some members felt that there should be some plan. Coverage should not be left to chance.

There will be a meeting at the Salvation Army on Saturday, May 20 to discuss the BERT and our emergency response ability.

Bob, WA11DA, noted that the monthly RACES net takes place on the first business Monday of each month at 1930. ARES members are encouraged to check in if a RACES station does not check in from their town. Bob is the net control for MEMA Sectors 1A and 1B, meeting on the Waltham 146.640 repeater.

Arthur noted that we should send invitations to public safety officials for our Field Day exercise at the Salvation Army EOC. Bill Foley will identify appropriate Salvation Army officials who should also be invited.

There being no further business, the meeting adjourned at 1955.

The Business meeting 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 attend these meetings.

The next BARC Business meeting will be held Thursday, June 1 (first Thursday of the month), starting at 6:30 pm. The June meeting will be held at the Salvation Army Headquarters building, 147 Columbus Ave, at the corner of Berkeley St, in the second floor cafeteria. Enter the door nearest the parking lot.

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 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.

Talk-in is available on 145.230 MHz (-), CTCSS 88.5 Hz.

Future Business Meeting Dates

(First Thursday at 6:30 pm)

1 June 2006 (at the Salvation Army HQ)

- 6 July 2006
- 3 August 2006
- 7 September 2006
- 5 October 2006
- 2 November 2006

Why is bra singular and panties plural?

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The Clay Center Observatory welcomes BARC members

www.claycenter.org

Public Astronomy Nights, Astronomy Day Events, Amateur Radio Classes, Amateur Radio Youth Club, Community and Adult Education, Weather Festival, Science Lecture Series, Educational Outreach

20 Newton St., Brookline, near Larz Anderson Park

BARC VE Sessions

The Boston Amateur Radio Club usually holds 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 canceled. 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.

For those traveling via the T, take the "D" branch of the 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, 617.527.2968 **ka1tuz@arrl.net**

Future Exam Dates

(Second Mondays at 7:00 pm)

12 June 2006
(Schedule omitted in July and August, but special arrangements may be made)
11 September 2006
2 October 2006 (note schedule change)
13 November 2006

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

How the Dipole Got that Long

-- Eric Falkof, K1NUN

How long is your 80 meter dipole? Maybe 120 feet? Or maybe 135 feet? We know the formula for a half-wave dipole is:

$$L_{ft} = \frac{468}{F_{Mh}}$$

But why? How? Well, in His infinite wisdom, the Good Lord did not imbue man with dipoles. He gave us other naturally occurring events and a brain. Let's use the latter to work with the former.

Light travels 300 million meters per second. We can measure that. We are told radio signals travel at the same rate. We are also told the product of a radio signal's frequency (number of oscillations per second) times its wavelength equals the speed of light:

$$F_{H_z} X \lambda = 300,000,000$$

This is a constant. It is always true. With simple algebra, we restate this as:

$$\lambda_m = \frac{300,000,000}{F_{Hz}}$$

Now, in a physics lab, we can show a quarter wavelength of an oscillation is a resonant distance, capable of reinforcing an emitted signal, be it sound, radio, or mechanical wave.

Twice the quarter wave (a half wave!) length cancels the reflected wave, resulting in a null. Think of this: A coaxial cable is connected to the output of your radio (center conductor) and the chassis (shield). This means you have two waves 180° out of phase. This means that when they reflect off the ends of each of the wire halves of the dipole (each half being a quarter wave), they cancel, only to be repeated for another cycle. This shows a half-wave dipole is an effective radiator when in resonance (a topic for another article someday).

... but how long IS that dipole?

That half-wave represents 300,000,000 meters per second of "travel" in free space, or 150,000,000 meters per second:

$$\frac{\lambda_m}{2} = \frac{150,000,000}{F_{H_z}}$$

But radio signals in wire do not travel at the same rate as they do in free space. They travel at about 95% of that speed, or:

$$\frac{\lambda_m}{2} = \frac{150,000,000}{F_{H_z}} (0.95) = \frac{142,500}{F_{H_z}}$$

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

Different wires have different values, but 95% is pretty good for most calculations.

Let's neaten this up and figure out how long that dipole really needs to be. We'll rewrite that last formula, like this:

$$\frac{\lambda_m}{2}(0.95) = \frac{142.5}{F_{MHz}}$$

This says the dipole length, in meters, is $L_m = \frac{142.5}{F_{MH_7}}$. If we now

convert that length in meters to length in feet, we see:

$$L_m(3.28\frac{ft}{m}) = \frac{142.5}{F_{MHz}}(3.28\frac{ft}{m}) = \frac{467.5}{F_{MHz}}$$

and this, simply, is our old friend that says the length of a halfwave dipole, in feet, is 468 divided by the frequency in MHz:

$$L_{ft} = \frac{468}{F_{MHz}}$$

And that's what we set out to find: how that formula for the length of the half-wave dipole came to be. *Q.E.D.*

I See the Future

14 May	BARC Breakfast	
18 May	BARC General Meeting	
20 May	SKYWARN Training (Concord)	
21 May	MIT Flea (Cambridge)	
1 Jun	BARC Business Meeting	
11 Jun	Bikes Not Bombs Bicycle Rides (Rp)	
11 Jun	BARC Breakfast	
12 Jun	BARC VE Session	
15 Jun	BARC General Meeting	
18 Jun	MIT Flea (Cambridge)	
24 Jun	Field Day	
6 Jul	BARC Business Meeting	
30 Jul	BARC Mini-Golf Outing	
25-27	ARRL NE Div Conv/Flea (Boxboro)	
Aug		
3 Sep	Boston Triathlon (Rp)	

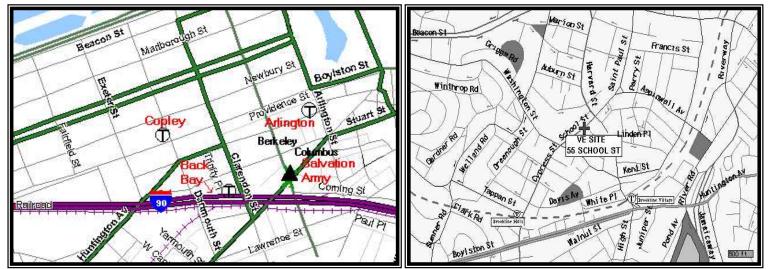
(Rp) = BARC repeater(s) may be used

As you might expect, there are many more events (public service, hamfests, flea markets, etc.) taking place. For information on these, the "Ham - Electronic Flea Market" and the "PSLIST" lists tell the story. They are posted by e-mail to barc-list regularly.

PowerPole Connectors and Tool Available

-- Eric Falkof, K1NUN

Anderson® PowerPole® connectors are a significant addition to our accessories. They allow a rapidly interchangeable power connector to mate with various devices without regard to the male-female matching with high reliability at home and in the field. The design has become a standard for ARES and most other ham uses. BARC has acquired the special tool to make reliable connections. 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 \$1/pair. **Tools and connectors will be available at all meetings for installation, instruction, and assistance.**



General and Business Meetings – 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	Blake Haskell, K1BTH	781.925.9900	k1bth@arrl.net
Vice President:	Dan Malloy, KA1RDZ	617.387.6025	djmalloy@mwisp.net
Secretary	Paul Olivieri, N1ZKR	617.782.4005	n1zkr@juno.com
Treasurer	Jim Clogher, N1ICN	617.364.4658	n1icn@arrl.net
Volunteer Exams	Mike Ardai, N1IST	781.321.7939	n1ist@arrl.net
	Dick Doherty, KA1TUZ	617.527.2968	ka1tuz@arrl.net
Membership	Arthur Ashley, N1NHZ	617.661.2988	n1nhz@arrl.net
Public Service	Bob Salow, WA1IDA	508.650.9440	wa1ida@arrl.net
Newsletter Editor	Paul Carter, N1TMF	617.232.6982	n1tmf@pvctronics.com
Programs & Activities	Dan Malloy, KA1RDZ	617.387.6025	djmalloy@mwisp.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.

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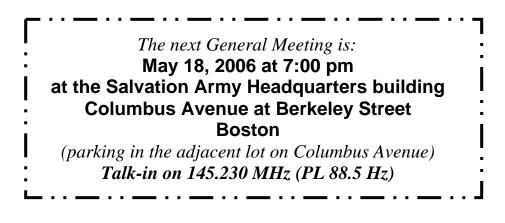
Greater Boston Net Directory

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 10:00 pm	Heavy Hitters Traffic Net (NTS)	MMRA-linked repeaters:
		146.610, 146.670, 146.715, 146.820, and all 222 and 440 repeaters
First Mon 8:30 pm	EMA Section ARES Net	146.610 and all MMRA links
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)
Wed 8 pm	Wellesley Amateur Radio Society Net	147.030; 444.600 (PL 88.5)
Wed 9 pm	HHTN Swap Net	146.640
Thu 8:30 pm	AMSAT Net	146.640
Sat 9 am	Northeast SATERN Net	7.265
Sun 9:30 am	Yankee SSB Net	50.275
Sun 7 pm	Youth Net	146.610 and all MMRA links
Sun 8 pm	Algonquin Amateur Radio Club Net	446.675 (PL 88.5)
Sun 8:30 pm	NSRA Net (with Newsline)	145.470

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WINLINK 2000 -- The Way To Go?

As ham radio evolves in the digital age, we must have a standardized way to communicate the information essential for emergency and other data needs. Tom Kinahan, N1CPE, the Massachusetts State RACES Radio Officer, is the person to help us understand how and why.



Help eradicate blank space!

Get your news, views, stories and other contributions for the June 2006 issue of *The SPARC* to Paul Carter, N1TMF, by June 2.

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