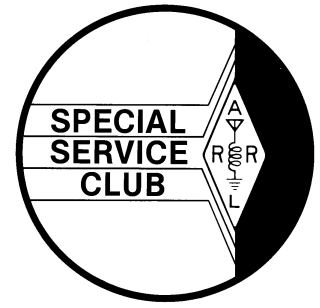




The SPARC

Volume XV, Number 7; July 2003
Newsletter of the Boston Amateur Radio Club
<http://www.barc.org>
w1bos@arrrl.net



The President's Word

-- Paul Olivieri, N1ZKR

QST BARC members - Finally, summer has arrived and we had a great weekend for Field Day. I hope everyone enjoyed Field Day this year wherever you participated. Once again BARC was at the top of the hill in Larz Anderson Park in Brookline. This year there was an actual wedding during Field Day. The wedding party was not too happy to see us set up there, but everything was worked out. Many thanks are due to all who worked to make it happen and make it fun. It must have been a good time because I even had time to get on the air and make some HF contacts.

First, thanks to Mark Duff, KB1EKN, for his work to organize everything. Thanks to all who helped with set up and take down. Thanks to the following: Blake, K1BTH, for getting the building permit and fetching the tent from Maine and Joe, KB1IXK, for helping Blake set up the tent. Thanks to Peter, KB1CVH, for getting the food and cooking. Thanks to Geri Duff, KB1ISG, for help with meals and for letting Mark come to play with us. Thanks to Steve Boylan, KE1KF, for drinks, ice, and the wonderful strawberry shortcake after breakdown on Sunday. We will miss you next year. Good luck in your new home QTH in Vermont. Thanks to Bill Foley, KB1GLF, and the Salvation Army for the use of the truck to haul supplies. A big thank you to Frank, N1DHW, for doing the hauling of the "stuff" from Hingham and back. Thanks also to Hank, K1QK, for bringing the Hingham F.D. generator up and back. Thanks to N1IST for everything that you did. Of course once again we have to thank Bill Ohm, W1OHM, for his expertise with a slingshot and dipole erection. Bill, you are the master.

Great job everyone.

There are no general meetings in July and August. The next General meeting will be on September 18th when we should have an ICOM representative on hand to show us all their goodies. Have a wonderful summer. 73, Paul

Short Notice Causes Scramble

-- Bob Salow, WA1IDA

When public service communication needs are realized, BARC is ready. With very short notice, we have been asked by a new event, the **Women's Triathlon**, to give them a hand. The date is **Sunday, 13 July**. The location is around the Great Blue Hill in Milton and Canton. As most triathlons, it starts early and ends

early - so the rest of your day is hardly disturbed. We will assemble at 0600, and the entire event should be over by 0945.

The hill presents some technical obstacles which ham flexibility can overcome - with your help. You will need a hand-held or mobile dual-band radio. Most of the assignments are stationary, so your car can remain parked while you observe the course. For assignments where cars cannot go, you will be transported with your hand-held. There is no public transportation available, but there is a large parking lot on site.

About 400 triathletes are expected. This event benefits the Ovarian Cancer Research Institute. The principal sponsor is Reebok. Your help is needed! Roll out of bed and call Bob Salow, WA1IDA. You can reach him at 508.650.9440 or w1ida@arrrl.net but you must act quickly.

Try the New 60 Meter Band – but Check this Update

-- ARRL Bulletin 40

When the five new 60-meter channels become available to US Amateur Radio operators at midnight (12 am) local time on July 3, the rules will impose a new record-keeping requirement for hams. The requirement applies only to those using something other than a simple half-wave dipole on the 5 MHz allocation.

According to Part 97.303(s), a half-wave dipole on the 5 MHz allocation will be presumed to have a gain of 0 dBd. "Licensees using other antennas must maintain in their station records either manufacturer data on the antenna gain or calculations of the antenna gain," states the newest addition to the FCC's Amateur Service rules.

Because the new rules also require hams to run no more than 50W effective radiated power (ERP) on the new channels, the choice of antenna becomes an important compliance factor. The FCC rules stipulate, "For the purpose of computing ERP, the transmitter PEP will be multiplied (by) the antenna gain relative to a dipole or the equivalent calculation in decibels."

ARRL has posted a list of frequently asked questions (FAQ) concerning 5 MHz operation on the ARRL Web site, www.arrrl.org/fandes/field/regulations/faq.html#sixty

If all is not lost, where is it?

Triathlon Agony - Again

-- Bob Salow, WA1IDA

The triathlon, which was run for the second time in Boston last year, continues to be an international success. We have been asked again this year to coordinate emergency and safety communications support. The formal name for the event is the *Monster Challenge Tri-Boston*. It is sponsored by Monster.com for the benefit of the AIDS Action Committee.

Anywhere in the world a triathlon is an exciting and very demanding race. In urban Boston it is a further test of strength and determination. Designed to professional standards, the swim-bike-run will be held on **Sunday, 31 August**. The Olympic-class triathletes will swim one mile, bike 25 miles, and run 6.2 miles. The course is laid out in Boston harbor, downtown Boston and Cambridge, and in the Boston seaport. There are a number of hazardous and confusing locations that we are assigned to monitor.

The problem for us is that this is Labor Day weekend, so extra effort must go into getting enough hams - we need your help. A bit of relief is provided by the schedule, which expects the entire event to go from **0630 to 1100**, so the rest of the day is free. If you can support this event, contact Mark Duff, KB1EKN, at 781.749.7664 or email to emgmt@comcast.net; or Bob Salow, WA1IDA, at 508.650.9440 or email to walida@arrl.net. Please call if you would like more information.

All You Can Eat and Public Service, Too

-- Bob Salow, WA1IDA

Here's a ham public service event where the reward might be better than the job. WGBH, the public TV channels 2 and 44, and FM radio will hold their annual Ice Cream FunFest on both **Saturday and Sunday, 13 and 14 September**, at and around the WGBH station on Western Avenue in Brighton.

As in past years, thousands of people are expected. We have been asked to provide communications for the safety and management of the crowd and their vehicles. It's a compact area, so 2-meter simplex HTs can be used. About 14 to 16 hams are needed each day for communications and/or meeting the public.

A great advantage for us is that BARC is given free booth space to promote public awareness of ham radio. In past years our booth has introduced many people to our hobby and also stirred interest in several inactive hams.

Although such a good cause (and good publicity for us) doesn't need it, here's the good part: all volunteers get to eat all the ice cream you can consume (urp!). The ice cream is provided by 5-6 manufacturers, so you can make comparative tests (urp, urp!).

If you can help either or both days (**from 1100 to 1500**), get more information by calling Bob Salow, WA1IDA, at 508.650.9440, or email to walida@arrl.net.

Here We Go Again

-- Bob Salow, WA1IDA

MediaOne, AT&T, and now Comcast. If your Internet Service Provider (ISP) has gone this route, you have been forced to change your email address. You should have followed the new Comcast instructions. Then, if you do not have an alias address which takes care of this, please let us know your new email address. Notify Bob, WA1IDA, the Keeper of the Database.

If you find you must now notify everyone who sends you email of your new address, consider using the alias service from ARRL or AMSAT, among others. This way, you have one constant address for your correspondents, and you need change only the one forwarding address with the alias service.

There is no July General Meeting

-- Blake T. Haskell, K1BTH

General Meetings of the Boston Amateur Radio Club will resume in September.

The General meetings are held on the third Thursday of each month at the Salvation Army second floor auditorium, 147 Columbus Avenue, at the corner of Berkeley St. and Columbus Ave. Our meetings are convenient to public transportation. The nearest **T** stations are Back Bay on the Orange or Purple lines (exit the rear of the station by the busway and walk down Columbus), and Copley or Arlington on the Green line (use the Berkeley Street exit).

Parking is available; the entrance to the parking 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, you should ring the bell at the door to be admitted, as the door is locked then.

Future General Meeting Dates

(Third Thursdays at 7 pm)

(No General Meetings in July and August)

18 September 2003

16 October 2003

20 November 2003

18 December 2003 (Holiday Party)

15 January 2004

I finally got my head together; now my body is falling apart.

Future Business Meeting Dates

(First Thursday at 7:00 pm)

7 August 2003

4 September 2003

2 October 2003

6 November 2003

4 December 2003

8 January 2004 (subject to change)

Lightning Safety Preparedness

-- Edited from Glenn Field, KB1GHX; NWS, Taunton MA

Lightning Safety Outdoors

Each year about 400 children and adults in the United States are struck by lightning while working outside, at sports events, on the beach, mountain climbing, mowing the lawn, or during other outdoor activities. About 80 people are killed and several hundred more are left to cope with permanent disabilities. Many of these tragedies can be avoided. Finishing the game, getting a tan, or completing a work shift is not worth death or crippling injury.

Lightning often strikes as much as 10 miles away from any rainfall. There has even been a documented case of lightning striking 34 miles away from the rain in the thunderstorm. At least 10 percent of lightning occurs without any visible clouds in the sky - just blue sky. Many of the lightning fatalities occur ahead of the storm because people try to wait until the last minute before seeking shelter. You are in danger if you can hear thunder - that means that lightning is close enough that it could strike your location at any moment.

On average, 20 percent of lightning-strike victims die; 80 percent survive, but 70 percent of them suffer serious long-term effects.

Here are some safety rules; more detailed information is available on the web at www.lightningsafety.noaa.gov

1. Postpone activities promptly and don't wait for the rain. Go quickly inside a completely enclosed building - not a carport, open garage or covered patio. If no enclosed building is available, get inside a hard-topped metal vehicle. The steel frame of the vehicle provides protection if you are not touching metal.

2. Be the lowest point. Lightning likes to strike the tallest objects. If hiking in the mountains and above the treeline, you are the tallest object. Quickly get below treeline and get into a grove of small trees. Aside from this situation, however, you should avoid trees. If you are in an open field, like a farm or a baseball or soccer field, you are the tallest object. Dugouts or gazebos afford little protection. If you cannot get to an enclosed building or vehicle, crouch down on the balls of your feet.

3. Keep an eye to the sky for darkening clouds and listen for thunder. If you can hear it, go to a safe shelter immediately.

4. Get off bicycles and motorcycles. Do not lean on vehicles.

5. Water is a great conductor of electricity. Get out of the water if boating or swimming. Get off the beach. Do not stand in puddles, even if wearing rubber boots.

6. Avoid metal. Do not hold golf clubs, fishing rods, tennis racquets or tools. Large metal objects can conduct lightning. Small metal objects, such as belt buckles, can cause burns.

7. Stay several yards away from other people. Do not share a bleacher bench or huddle in a group.

8. Listen to NOAA weather radio first to find out if thunderstorms are in the forecast. Next, listen for any short-term forecasts about thunderstorm activity. Also, listen for the warning alarm tone, which is activated for severe thunderstorms, which produce damaging winds and large hail in addition to lightning strikes.

The science of a lightning strike

At any given moment there are 1800 thunderstorms in progress somewhere on the earth - which amounts to 16 million thunderstorms each year! Lightning researchers have a better understanding today of the process that produces lightning, but there is still much to learn about the role of solar flares in the upper atmosphere, the electromagnetic field of the earth and ice in storms. We know the cloud conditions needed to produce lightning, but cannot forecast the location or time of the next stroke of lightning.

Lightning occurs in volcanic eruptions, intense forest fires, surface nuclear detonations, heavy snowstorms and large hurricanes, but it is most often seen in thunderstorms. Thunderstorms form in air that is moist, unstable and has a trigger that causes the air to rise - such as a cold front. Rising motions in the storm build the cloud to as high as 6 to 10 miles above sea level. Ice forms in the higher parts of the cloud.

The ice particles vary from small ice crystals to large hailstones. There are a lot of collisions between the particles which causes a separation of electrical charges. Positively charged ice crystals rise to the top of the storm and negatively charged particles and hailstones drop to the middle and lower parts of the storm. Enormous charge differences develop.

A moving thunderstorm gathers another pool of positively charged particles along the ground that travel with the storm. Positively charged particles rise up taller objects such as trees, houses and telephone poles. The particles can even move up you. Have you ever been under a thunderstorm and had your hair stand up? If so, you may be the lightning target.

The negatively charged area in the storm sends out a charge toward the ground called a stepped leader. It is invisible to the human eye. When it gets close to the ground, it is attracted by all

of these positively charged objects and a channel develops. You see the electrical transfer in this channel as lightning. There may be several return strokes of electricity within the established channel that you will see as flickering lightning. The lightning channel heats rapidly to 30,000 degrees or more, and the rapid expansion of heated air causes the thunder. Since light travels faster than sound in the atmosphere, the sound is heard after the lightning. If you see lightning and hear thunder at almost the same time, the lightning is in your neighborhood!

Not all lightning forms in the negatively charged area low in the thunderstorm cloud. Some originates in the cirrus anvil at the top of the storm where there is a large positive charge. A strike originating in this area is called a positive flash. It is particularly dangerous for several reasons. It frequently strikes ahead of or behind a thunderstorm, away from the rain area, thus catching people by surprise, like a bolt from the blue. Positive strikes typically last longer, so fires are more easily ignited. Also, they usually carry a high peak electrical current which increases the lightning risk to an individual.

Medical aspects of lightning

The United States averages 73 reported lightning deaths per year, which makes it the second largest storm-related killer, exceeded only by flash floods. A lightning strike can result in cardiac arrest at the time of the injury, but some deaths can occur a few days later if the person is resuscitated but suffered irreversible brain damage. Because this may occur days later, the news story may not make the newspaper or other media outlets. Thus, there is an under-reporting of injuries and deaths from lightning. The figures more realistically are about 100 deaths per year nationwide.

How do lightning injuries affect people? Lightning tends to be a nervous system injury and may affect the brain and both autonomic and peripheral nervous systems. When the brain is affected, the victim often has difficulty with short-term memory, multi-tasking, and can be irritable, easily distracted and have a personality change. Survivors initially may complain of intense headaches, ringing in the ears, dizziness, nausea, vomiting or other post-concussion types of symptoms. Irregular sleep patterns may occur. Seizure-like activity may occur weeks to months after the injury.

People who wake up after the injury often do not have the ability to express what is wrong with them and may become embarrassed when they cannot carry on a conversation. As a result they may isolate themselves and become easy to anger. Depression becomes a big problem. Survivors often become exhausted after only a few hours of work and may not be able to complete all required job tasks.

Another common, often delayed, problem for some survivors is intense pain. The pain may not be from headaches, but in the back, perhaps from compression and disc injury from the intense muscle contractions, which may throw a person several yards at the time of the injury. The pain may also occur in an extremity, as

nerves begin to slowly regenerate. Decreased libido and impotence often are reported.

Anatomic testing, such as an x-ray, CT scan, MRI, or blood test often show up as normal. Sometimes functional tests ordered are testing the wrong thing. An electromyogram, or EMG, measures only the motor fibers, which are seldom affected by lightning injury. EMG does not test smaller pain carrying nerve fibers. Thus a normal EMG result can mean little for someone with pain. Likewise, The standard EEG primarily measures surface readings of the brain and misses seizure activity in several deeper regions.

More useful is a functional test of how a person's brain is working - neurocognitive or neuropsychological testing. These tests are administered by a neuropsychologist familiar with literature in this area, not by a psychiatrist. These are pen and paper tests lasting 6 to 8 hours and test memory, IQ, organizational ability, etc. Lightning strike survivors usually have a characteristic pattern of deficits.

Help does exist for lightning strike survivors and physicians alike. For more information, go to www.lightning-strike.org or call 910.346.4708.

You Vacationing in the Wilderness this Summer?

-- ARRL - Amateur Radio Emergency Service, *ARES Field Manual*, page 76

The Wilderness protocol (see *QST*, August 1995, page 101) calls for wilderness hams to announce their presence on, and to monitor, the national calling frequencies for five minutes beginning at the top of the hour, every three hours from 7 am to 7 pm while in the back country.

A ham in a remote location may be able to relay emergency information through another wilderness ham who has better access to a repeater.

Calling frequencies: 52.525, 146.520, 223.500, 446.000 and 1294.500 MHz.

Orange Caps for Emergency and Public Service Events

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

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

Why do you press harder on the buttons of a remote control when you know the batteries are dead?

BARC Growth

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

Rowe Austin now K1HRA
Joe Ress upgrade to Extra, now AJ1J

Please welcome the new BARC members and congratulate the new upgrades. Make it a point to introduce yourself when you see them at a meeting. In addition, we would like to note here all call sign changes. If you fit any of these categories, please promptly notify the Keeper of the Database, Bob Salow, WA1IDA at: 508.650.9440 or email: walida@arrrl.net.

BARC Volunteer Exam 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, July 14, 2003 at the Pierce School at 50 School Street in Brookline, Room 110, next to the cafeteria.

There is a free parking garage at the circular driveway. If driving, enter School Street from the Washington street side (opposite 394 Washington,) rather than from Harvard Street. Check:

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 Street 0.2 miles to School Street, then turn left. The Pierce School is on the left. The #66 bus runs on Harvard Street, crossing School Street.

Talk in on 145.23(-), PL 88.5 .

We give all exams (Technician thru Extra, CW and written), and you don't need to pre-register. Please bring the following with you:

- Your current license *and a photocopy for the ARRL*, if you are upgrading
- Any CSCE's you are claiming, and a photocopy of them
- Valid ID (picture ID preferred)
- A pen and a calculator (if you want to)
- **\$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 n1ist@arrrl.net

Dick Doherty, KA1TUZ 617.969.4880 ka1tuz@arrrl.net

Future Exam Dates

(Second Mondays at 7:00 pm)

11 August 2003

8 September 2003

6 October 2003 - note date change due to holiday

10 November 2003

8 December 2003

12 January 2004

I See the Future

13 July	BARC Breakfast
13 July	Women's Triathlon (Rp)
14 July	BARC VE Exams
20 July	MIT Flea
26 July	FRARC Flea (Swansea)
26 July	NE Antiques RC (Nashua NH)
7 Aug	BARC Business Meeting
10 Aug	BARC Breakfast
11 Aug	BARC VE Exams
17 Aug	MIT Flea
24 Aug	East V-UHF Conf (Enfield CT)
31 Aug	Monster Triathlon (Rp)
4 Sept	BARC Business meeting
8 Sept	BARC VE Exams
13-14 Sept	WGBH Ice Cream FunFest
14 Sept	BARC Breakfast
14 Sept	SEMARA Flea (S Dartmouth)
18 Sept	BARC General meeting
20 Sept	RIFMRS Flea (Forestdale RI)
21 Sept	MIT Flea
27 Sept	MARC Flea (Orange)
3-4 Oct	Hoss Traders (Hopkinton NH)
12 Oct	BAA Half Marathon (Rp)

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

As you might expect, there are many more events (public service, hamfests, flea markets, etc.) taking place - some only peripheral to ham radio. For information on these, covering New England and some of New York, the "Ham - Electronic Flea Market" and the "PSLIST" lists tell the story. They are posted by e-mail to barc-list and on PBBSs regularly. If needed, contact any club member who has access to these.

BARC Monthly Breakfast

Every month, BARC has a social breakfast on the second Sunday of the month, which will be July 13 this month. We'll be meeting at the Old Country Buffet at the Watertown Mall at 8:30 am.

They are *very* good, offering an extensive breakfast buffet, costing \$7.02 (including taxes) per person.

We just intend to get together, socialize and eat, without having any formal club events or business. Family and friends of club

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

Simplex: 147.42

members are welcome also. If you are not a BARC member, you too are invited to meet with us and see what we're all about.

The Old Country Buffet is in the Watertown Mall, on Arsenal St. in Watertown. From Memorial Drive, continue on Greenough Boulevard to the Watertown exit, and then turn right onto Arsenal St. There is plenty of mall parking. The #70 T bus from Central Square Cambridge to Watertown Square stops right at the Watertown Mall. Hope to see all of you there – and bring your appetite!

BARC Net Preamble

Any further business for the repeater before we begin the Boston Amateur Radio Club Net? This is <<YOUR CALL>>.

Calling the Boston Amateur Radio Club net. This is <<YOUR CALL>>, my name is <<YOUR NAME>> and I am located in <<YOUR TOWN>>. This net meets each Monday evening at 9 PM Eastern Time on the 145.23 Boston repeater, PL 88.5. This net is an informal round table discussion concerning matters of interest to the members of the Boston Amateur Radio Club and the Boston Amateur radio community in general. When checking into the net, please say, "this is" and drop your carrier to check on doubling. Then give your call sign, name and location. All amateurs are welcome to join the net. Any checkins for the Boston Amateur Radio Club net please call now.

Is there any further business for the net before I close?

Hearing nothing, this is <<YOUR CALL>> closing tonight's session of the Boston Amateur Radio Club Net. I would like to thank everyone who participated in the net and those who stood by while I ran the net. The Boston Amateur Radio Club net will return next Monday evening at 9 pm Eastern Time. This is <<YOUR CALL>>, returning the repeater to general amateur use. 73.

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.

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

Members are urged to seek 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 walida@arrl.net or 508.650.9440.

Amateurs are "First Of The First Responders," DHS Official Says

-- ARRL Letter, Vol 22, No 26

ARRL now is an official affiliate program of Citizen Corps <http://www.citizencorps.gov>, an initiative within the Department of Homeland Security <http://www.dhs.gov/dhspublic/> to enhance public preparedness and safety. ARRL President Jim Haynie, W5JBP, signed the formal Statement of Affiliation between DHS and ARRL during the ARRL 2003 National Convention June 21. Chief Operating Officer of the Emergency Preparedness and Response Directorate (FEMA) Ron Castleman represented Under Secretary for Emergency Preparedness and Response Michael D. Brown at the signing. Citizen Corps Liaison to the White House Liz DiGregorio called ham radio operators the "first of the first responders."

"You are there. You are part of that very, very first response when it happens locally," especially in the initial stages of an emergency or disaster, DiGregorio told an overflow audience. She urged amateurs to explore ways to expand their role in the community beyond being the last resort when other communication systems fail. "You need to show your community that you're engaged," she said. "They need to know as a community that ARRL is there."

Castleman said his agency really needs Amateur Radio's help. "Hams have a long and distinguished history of assisting and cooperating with FEMA," he said. He said FEMA wants to continue to work with Amateur Radio operators as partners and expand hams' community safety role. "We also want to help prepare every citizen across our country before disaster strikes," Castleman said.

The League joins the National Safety Council, Points of Light Foundation, National Voluntary Organizations Active in Disaster, National Volunteer Fire Council, National Fire Protection Association, Save A Life Foundation and The Jaycees as Citizen Corps affiliate programs.

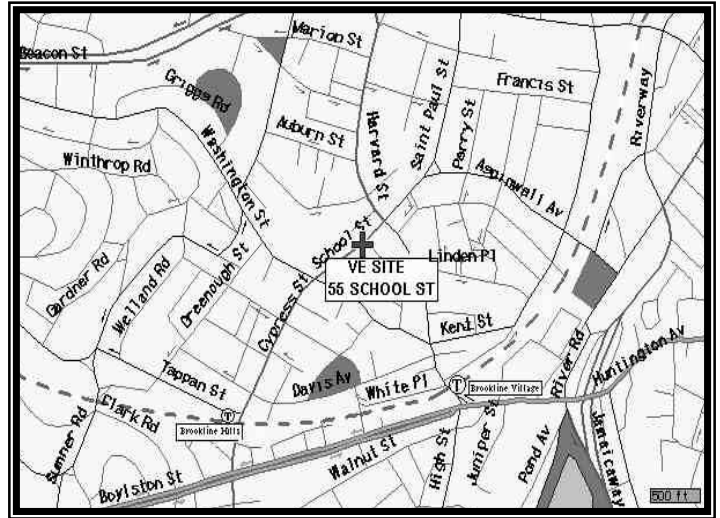
The SoA calls on DHS and ARRL to raise public awareness of Amateur Radio as a safety resource. "That's what you are all about, and we need a safer America," DiGregorio said.

In addition, DHS and ARRL will cooperate in providing training and accreditation for Amateur Radio emergency communications. They also will work together to promote the formation of local Citizen Corps councils and assist them with education, training and volunteer service opportunities "that support first responders, disaster relief organizations and community safety efforts." As an affiliate, ARRL will be linked from the FEMA and Citizen Corps Web sites.

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

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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 5:30pm	Eastern Mass/Rhode Island Phone Net (NTS)	3.915
daily 7 and 10pm	Eastern Mass/Rhode Island CW Net (NTS)	3.658
daily 8pm	Eastern Mass 2M Traffic Net (NTS)	145.230 (PL 88.5)
daily 8pm	Slow Speed CW Net	28.160
daily 10:30pm	Heavy Hitters Traffic Net (NTS)	146.640
Mon 9pm	BARC Club Net	145.230 (PL 88.5)
Tue 8pm	MMRA Club Net	146.610 and all MMRA links
Tue 9pm	EMA Public Safety Net	145.230 (PL 88.5)
Tue 9pm	NETARC Satellite Net W1ME, NCS	446.575 (PL 88.5)
Wed 8pm	Wellesley Amateur Radio Society Net	147.030
Wed 9pm	HHTN Swap Net	146.640
Thu 8:30pm	Amsat Net N1OHJ, NCS	146.640
Fri 9pm	SWAT Net and Net Control 101	145.230 (PL 88.5)
Sat 11am	Northeast SATERN Net	7.270
Sun 9:30am	Yankee SSB Net (6M)	50.275
Sun 7pm	Youth Net	146.610 and all MMRA links
Sun 7pm	Algonquin Amateur Radio Club Net	53.470 (PL 100.0/71.9), 223.860 (PL 241.8), 446.675 (PL 88.5)
Sun 8:30pm	NSRA Net (with Newsline)	145.470
4th Sundays 9:30pm	EMA Section ARES Net	146.610 and all MMRA links

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

Simplex: 147.42