



The SPARC

Newsletter of the Boston Amateur Radio Club

Volume XX, Number 6; June 2008

<http://www.barc.org>

w1bos@arrl.net



Ramblings and Rumbings

-- Bob Salow, WA1IDA, President

Right between the eyes! We have just learned that the Newton Police Chief has decided that the Community Room in which we have been meeting is to be used for police matters only – effective 1 July. Reference to ham radio support for Newton and the Greater Boston community has had no effect. Note that this is not a rejection of BARC or ham radio since all community organizations which have used the room are affected.

We can have our June meeting there, and we have no meetings in July or August. This is our opportunity to find another meeting site convenient to our members. Among the criteria for such a site are that public transportation be nearby, parking should be convenient and free, and the room be handicap accessible. There are other factors to be considered, so think about our needs if you can locate a site.

While a Boston location is preferred, we have moved around the adjacent suburbs through the years with little problem. The space should be large enough to hold 20 to 40 people in comfort at our usual meeting times of 1900 to 2200 (overall). The time suggests a place which is open or available well into the evening, like a large business, hospital, governmental facility, or evening-type school.

A word of “management” caution – we need solutions. Ideas are great, but not when the idea begins, “Somebody should...” There is nothing wrong with asking for help in implementing your plan, but best not to leave it on the table for someone else to pick up.

This issue will be discussed at the “business” portion of our meeting on Thursday, 19 June, beginning at 7:30 pm. We will need a place to meet – you can help.

The rest of the meeting will deal with our plans for Field Day. Find out how it is organized and how you can help fit the last pieces of the puzzle. Then brace yourself for a load of fun (and maybe learning) on Saturday, 28 June at Larz Anderson Park in Brookline.

It's Boxboro Time

The 2008 ARRL New England Division Convention will take place at the Holiday Inn in Boxboro MA on Friday, 22 August to Sunday, 24 August. Tickets are \$15.00 for the 3 days. Visit their web site at www.boxboro.org/home.html for ticket and program information.

June BARC Meeting

With our meeting structure changes, the first 30 to 45 minutes will be pending business, followed by the main topic of the month. Both portions of this particular meeting are important.

As you may already know, effective 1 July, the Newton Police Department will no longer accommodate meetings in their Community Room for groups not directly associated with the Police Dept. There are more details behind this, but the decision is absolute and affects essentially all groups that meet there. We are looking for a new site to hold our meetings, starting in September, and you can assist.

The main subject of the meeting will be our preparations for Field Day. Planning for most of the event has been done, but a few more details need to be worked out. Our Field Day will get under way on Saturday, 28 June with the help of your hands (maybe brain, too).

The club meeting begins promptly at 7:30 pm on Thursday, 19 June at the Newton Police Dept, 1321 Washington St West Newton MA (map shown on page 7). There is ample nearby parking and the location is handicap accessible. Talk-in is available on 145.230 MHz [-], CTCSS 88.5 Hz.

If you have any ideas about topics that you would like to see presented at future meetings, please feel free to contact one of your officers. Remember – this is *your* club and we are here to help *you* have fun and get the most out of ham radio.

Future BARC Meeting Dates

(Third Thursdays at 7:30 pm)

19 June 2008

(No Meetings in July and August)

18 September 2008

16 October 2008

Our New Hams Need Help

-- Eric Falkof, K1NUN

Within a couple of weeks after you read this, several new hams will emerge from our class of students with limited physical abilities. As we all know, getting a call sign is only the beginning. Think of what you knew the day your license arrived compared to what you know today. These new licensees will now be BARC members who need your help in moving from license holders to real hams. You can assist them and benefit yourself. Contact Eric, K1NUN at k1nun@netscape.net to lend a hand.

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

Simplex: 147.42

FEMA Training Is Good For You

-- Terry Stader, KA8SCP, MEMA Region 1 RACES Officer

I recommend that all hams interested in emergency preparedness complete the FEMA ICS-100 course. It was a statewide mandate in 2007 for all emergency workers and first responders to complete this training to be qualified for funding or exercises and real events moving forward. Hams supporting agencies in disasters should be similarly prepared. Optionally, you can take the NIMS-700 course but it is not being stressed at this time. The ICS-100 is a good class for understanding the framework of ICS (Incident Command System).

Both courses are offered at the FEMA training site:

NIMS-700: <http://training.fema.gov/emiweb/is/is700.asp>

ICS-100: <http://training.fema.gov/emiweb/is/is100.asp>

You may also take the courses in a classroom environment through MEMA at no cost. The next local course is on Saturday, 28 June in Winchester. Both courses are given in that one day.

Go to:

<https://training.mema.state.ma.us/mema/coursedesc.do?cofid=19647>

Be sure to take a look at the MEMA Training Calendar at <http://mass.gov/mema> to see the schedule for other classes.

RACES Communications Officers should also consider taking the ICS-200 classroom session as well. This is recommended for all positions that are in a supervisory role.

If you have completed all three of these classes and would like to extend your training, consider the EOC Management and Operations Course (G775). This class is replacing the older G-275/IS-275 course. This is a great 2-day class that allows you to work through with your EOC peers the complete EOC process from setup to tear down and the many different requirements of the EOC operation.

Course information can be found at:

<https://training.mema.state.ma.us/mema/coursedesc.do?cofid=19567>.

More information on the FEMA G775 course can be found at :

<http://training.fema.gov/emigrams/gramdetais.asp?id=19>.

When you have completed any of the various courses offered through FEMA, MEMA, the EMA ARES staff or other organizations, please do not forget to enter the information in the Eastern Mass ARES Registration Form and Database. If you have never used this database, you will need to register first, otherwise login and update your profile. This information is used by the ARES/RACES leadership to locate trained Amateur Radio operators for services as needed.

Report NOAA Weather Radio Outages

-- ARRL Letter, May 16, 2008

The National Weather Service has announced a Web page for hams and others to report outages of the NOAA Weather Radio All Hazards Transmitters (NWR). The Web page, www.weather.gov/nwr/outages.html explains how to report a transmitter that may be off air in a listener's area.

BARC Meeting Structure Changes

After a good deal of discussion at the April Business meeting, we realized the impact of the economy on members and hams in general. We have had two meetings a month for many years and that schedule has served us well. Times are different now, and we believe it is in our interest to change. By holding one structured meeting each month (except July and August) and some other refinements, travel and other costs for members can be reduced. The club itself is in excellent financial condition, but our members must be considered.

We now hold one meeting each month (except July and August). This will be our last meeting at the Newton Police Dept, but starting in September we expect to find a new meeting location. Meetings begin at 1930 with a 30 minute period limited to club business. This is followed by a 15 minute transition period with announcements of interest to the general membership. At 2015 the general portion of the meeting will begin with a speaker or other presentation of interest to all.

This schedule can work best with cooperative members and firm leadership. Business will be taken care of, the members will be informed, and the speaker will be treated with courtesy.

Still on the calendar will be a summer outing and our Holiday Party in December.

The Elections May Be Coming

Election of BARC officers may or may not be held at the June meeting as designated in our bylaws. The Nominating Committee has failed to locate candidates for BARC offices to be voted at the June meeting.

A candidate for office may be nominated from the floor up to the time for that ballot. Any member may be nominated (with the agreement of that member) or by self-nomination for any of the offices. This is your opportunity to help steer the club where you think it should go. All members are urged to consider making this contribution to the hams of our community. If you are interested, please come forward at the meeting.

Whither the BARC UHF Repeater?

Our repeater on 447.175 MHz (-), CTCSS 110.9 Hz, has been reduced in power to accommodate the claim of potential interference to the PavePaws radar on Cape Cod. This request, through the FCC and ARRL, applies to most 70 cm repeaters in this area. We must comply.

The coverage of this repeater has changed significantly, and we want to determine the new conditions. Please try to make a contact on this repeater and note your result. Then please send an email report to w1bos@arrrl.net with the following information:

Your name and call

Location of test

Type of radio, antenna and power output

Could you maintain a contact?

Quality of received signal

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

Simplex: 147.42

Field Day? The Fun Is Only Weeks Away

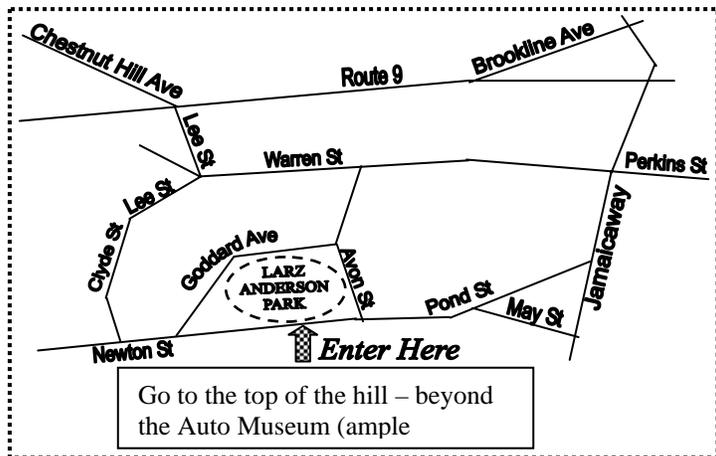
Planning for Field Day 2008 is nearly complete. The club's operating contribution is limited, but open to all. Like last year, BARC provides compact HF stations, antennas and generators. Anyone can add to the club activity by providing their own station facilities.

The 2007 result was a resounding success and 2008 will stay with that concept. We set up, operated, and tore down with ease – and had **fun** doing it. Larz Anderson Park in Brookline is the place; Saturday, 28 June is the day. We start setting up at 1000; the "official" operating begins at 1400. To avoid fighting mosquitoes at sundown, we will close up at or before 1900.

Cold water and other soft drinks will be provided. Alcohol is not permitted at Larz Anderson Park.

The fun is yours for the taking. The details will be discussed it at the BARC meeting on Thursday, 19 June. Bring your ideas, or just say you want to be there – to see, to learn, to try, or maybe to see how other people have fun. If you have ideas, or just want the experience, contact Field Day Coordinator, Tom Bertolino, KB1OKP, at thbe125@yahoo.com.

Here's where we are:



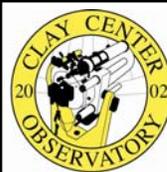
BARC Growth

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.

Bob Lotti NIKUK

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.

Tight fit jeans and loose fit skin are a bad combination.



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

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 look ahead at the last (planned) event in 2008 that we are asked to support. Formal recruiting will not take place until closer to the event. Feel free to contact Bob Salow, WA1IDA, if you have any questions - walida@arrrl.net or 508.650.9440.

➤ BAA Half Marathon - 12 October 2008 - Boston

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.

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. Breakfast is served from 0800 to 1130.

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 (seniors get a discount).

The Old Country Buffet is in the Watertown Mall, 550 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 to Waltham stops right at the Watertown Mall. We hope to see all of you there – and bring your appetite!

I See the Future

15 Jun	MIT Flea (Cambridge)
19 Jun	BARC Meeting
21 Jun	NARL Flea (Newington CT)
13 Jul	BARC Breakfast
20 Jul	MIT Flea (Cambridge)
10 Aug	BARC Breakfast
17 Aug	MIT Flea (Cambridge)
22-24 Aug	ARRL NE Div Convention (Boxboro)
8 Sep	BARC VE Session
14 Sep	BARC Breakfast
18 Sep	BARC Meeting
20 Sep	RIFMRS Flea (Forestdale RI)
21 Sep	MIT Flea (Cambridge)
10-11 Oct	NEAR Fest (Deerfield 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 PBBSSs regularly. If needed, contact any club member who has access to these.

BARC Volunteer Exam 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. A map is shown on page 7.

Note that since exams are not held during July and August, the next session will be on Monday, 8 September 2008.

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.

There is a free parking garage at the circular driveway. If driving, enter School St 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, General, and Extra). You don't need to pre-register. Please bring the following with you:

- Your current license *and a photocopy for the ARRL*, if you are upgrading
- Any CSEs you are claiming, and a photocopy of them
- Valid ID (picture ID preferred)
- A pen and a calculator (if you want to)

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

- **\$14.00** (good for all the tests you take at that session, except for retests)
- 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
Jim Clogher, N1ICN, 617.364.4658 n1icn@arrl.net

Future Exam Dates

(Second Mondays at 7:00 pm)

(No Exams in July and August)

8 September 2008

(October session omitted because of Columbus Day holiday)

10 November

Red Cross Responds to ARRL Concerns Regarding Background Checks

-- ARRL HQ

Changes have been instituted by the American Red Cross which should resolve concerns regarding background and other checks for hams supporting Red Cross disaster response. A new form is to be used by all Red Cross chapters. The form and related process is limited to the name, social security number, verification of the individual, and a criminal background check.

The ARRL will be working with the ARC in the negotiation and creation of a draft for a new Memorandum of Understanding (MOU) or similar document to replace the one which expired last year.

Pandemic Flu Video

-- ARES E-Letter, 21 May 2008

There is an excellent resource video available on-line that speaks clearly about the threat of a flu pandemic, its potential impact, and common sense steps that can be taken to mitigate, deal with, and recover from such an event. It was produced by the King County, Washington Dept. of Public Health and can be viewed at: www.metrokc.gov/health/pandemicflu/video/

Amateur Radio would have important roles in helping to manage such a crisis, and yet we would also be affected by it directly. Does your ham support program have a plan to meet its critical missions if 30% or more of the members were unable to participate? Is it possible for you to meet the needs of your served agencies while operating from home (social distancing) rather than going to their site? Are you personally prepared to deal with disruptions to the food supply, or other essential services?

This video offers common sense approaches that you can take personally, as well as organizational steps that will help us all plan for, and deal with a pandemic when it occurs.

How is it that we put man on the moon before we figured out it would be a good idea to put wheels on luggage?

Simplex: 147.42

Thunderstorms and Tornadoes On Your Head - - NOT

-- National Weather Service

A severe thunderstorm is defined as a thunderstorm that produces one or more of the following phenomena: wind gusts of at least 58 mph, hail the size of pennies or larger, or tornadoes. A severe thunderstorm or tornado warning is issued by the local NWS office, based on radar imagery or spotter reports. When a warning is issued, residents are urged to take cover immediately inside a sturdy building preferably in a basement. Keep in mind that all thunderstorms produce deadly lightning even if the storm is not deemed severe.

Your first tornado preparedness rule should be to have a means of receiving that word that a watch or warning is in effect. A NOAA weather radio should have an alarm feature that will activate whenever a severe weather watch or warning is issued.

If in a building, you should move to the basement underneath the staircase. In no basement is available, seek shelter in a small interior room or hallway on the lowest floor. Stay away from windows and exterior doors. Do not open windows. If possible place something over your head such as a coat or blanket for extra protection. In schools or large building spaces, avoid the cafeteria, a gymnasium or auditorium because of the wide-span roofs than can collapse. You should go to an interior hallway away from exterior rooms and away from windows.

Do not stay in a mobile home or any type of temporary shelter. Seek shelter in a sturdy structure. If none is available, go to a ditch or nearby ravine. Take the protective position on your elbows and knees with your hands over your head. Never attempt to outrun a tornado in a vehicle since they can easily become airborne. Do not seek shelter under an overpass which is subject to collapse.

Always remember that deadly lightning accompanies every thunderstorm severe or not.

The 2008 Atlantic Hurricane Season

-- National Weather Service, 1 June 2008

The Atlantic hurricane season runs from 1 June through 30 November. In an average season, 10 tropical cyclones should be expected with 6 of these reaching hurricane intensity. Of those 6 storms reaching hurricane strength, 2 should become major hurricanes of category 3 or higher.

The official NOAA 2008 Atlantic hurricane season outlook indicates a 65% probability of an above normal season and a 25% probability of a near normal season. This outlook calls for 12 to 16 tropical storms, with 6 to 9 likely to reach hurricane intensity. Of these, 2 to 5 to become major hurricanes of category 3 or higher. For additional details on the NOAA 2008 hurricane outlook, visit:

www.cpc.ncep.noaa.gov/products/outlooks/hurricane.shtml .

The names used for the 2008 season will be...

<i>Name</i>	<i>Pronunciation</i>	<i>Name</i>	<i>Pronunciation</i>
Arthur	Ar-thur	Laura	Laur-ah
Bertha	Bur-tha	Marco	Mar-co
Christobal	Chrees-tow-bal	Nana	Nan-ah
Dolly	Doll-ee	Omar	O-mar
Edouard	Eh-dward	Paloma	Pa-low-ma
Fay	Faa	Rene	Re-nay
Gustav	Goo-stav	Sally	Sal-ee
Hanna	Hann-ah	Teddy	Ted-ee
Ike	Eyek	Vicky	Vick-ee
Josephine	Jo-ze-feen	Wilfred	Will-fred
Kyle	Keye-el		

Advice for Inland Residents:

- ✓ Be sure to have plenty of batteries on hand for flashlights, AM/FM radios, and your NOAA weather radio. More often than not, power will be disrupted during the storm and may be disrupted for several days.
- ✓ Be sure to have canned food and other items on hand that do not need refrigeration. As stated above, it is almost a certainty that electrical and telephone systems will be disrupted if a hurricane strikes our region.
- ✓ If you own a portable generator, be sure it is properly hooked into the mains power supply. If it is not properly installed, it may do damage to the mains and power workers.
- ✓ Store plywood and plenty of nails so that you can quickly board up windows on open facing sides of your home. Do not use masking tape to secure windows... it will not help. Plywood should be at least 5/8 inch thick for the best protection.
- ✓ Those living along flood prone rivers and streams should be ready to head to higher ground should flooding occur.
- ✓ In the unlikely event that you must evacuate, know where your nearest storm shelter is located and the quickest route to it.

Following these simple steps will help make what can be a very stressful and difficult time go a bit more smoothly.

FCC Defines Various Personal Radio Services

Background

Have you ever been in a place where you can't use your wireless telephone - like skiing at higher altitudes, camping in a remote area, or even shopping at the mall? There are other wireless services that allow you to keep in touch - personal radio services.

A personal radio service is a short-range, low power radio transmission using a device or devices that operate much like walkie-talkies. Personal radio services include one and two-way voice services, data transmission, and transmissions that operate equipment by remote control. The most popular types of personal radio services are Citizens Band Radio Service (CB), Family Radio Service (FRS), General Mobile Radio Service (GMRS), Low Power Radio Service (LPRS), and Multi-Use Radio Service (MURS). Of these types of personal radio services, only GMRS requires an FCC license to operate.

Personal radio services offer several benefits over other services. Devices generally are not very expensive, usually can be hand-held, and work without the need for transmission towers or other equipment. Some types of personal radio services, generally those that are authorized in the very high frequency (VHF) and ultra high frequency (UHF) portions of the radio spectrum, do not suffer from the static, noise, and fading that you may encounter using CB service or walkie-talkies. In addition, using a personal radio service requires no service contract or monthly fee.

Here's more information about each of the most popular types of personal radio services.

Citizens Band Radio Service (CB)

- ◆ CB service allows private, two-way radio communications for personal or business use. Communications (or attempts to communicate) with stations over 250 km (155.3 miles) away are prohibited. The maximum authorized power levels vary depending on whether the station is transmitting a single side band (SSB) or an AM signal. SSB transmissions are authorized up to 12 watts Peak Envelope Power (PEP), while AM transmissions are permitted up to four watts carrier power.
- ◆ CB radios, used most frequently in vehicles and by truckers, can be purchased for between \$70 and \$200.
- ◆ You must use an FCC-certified CB unit in the United States. FCC-certified CB units have an FCC-certified label placed by the manufacturer.
- ◆ There is no minimum age requirement to operate a CB radio.
- ◆ CB service operates on 40 shared channels on a "take-turns" basis, meaning no CB channel is assigned to any specific individual or organization. Users must never talk with another station for more than 5 minutes continuously, and must wait at least one minute before starting another communication.
- ◆ You may not raise the power output of your CB unit, attach any type of power amplifier, or modify the unit internally.

Family Radio Service (FRS)

- ◆ FRS allows two-way voice communications over very short distances, generally less than one-half mile. It is generally used by families or small groups to communicate while on group outings when group members are fairly close together, but can also be used in business-related settings.
- ◆ An FRS unit looks and works much like a walkie-talkie. Prices for FRS units vary depending on features and quality.
- ◆ If you have a dual-use, FRS-General Mobile Radio Service (GMRS) unit, you may legally use only the FRS channels unless you have a GMRS license. The label on the unit or the operations manual should indicate the service the unit is certified for. FRS-only units transmit at lower power levels and have antennas that are integrated with the unit; GMRS units transmit at higher power levels and may have detachable antennas.
- ◆ You can operate your FRS unit anywhere in the US and its possessions. Before using FRS in other countries such as Canada and Mexico, check to see if that country allows

- ◆ operation of FRS units. There is no minimum age requirement for operating an FRS unit.

General Mobile Radio Service (GMRS)

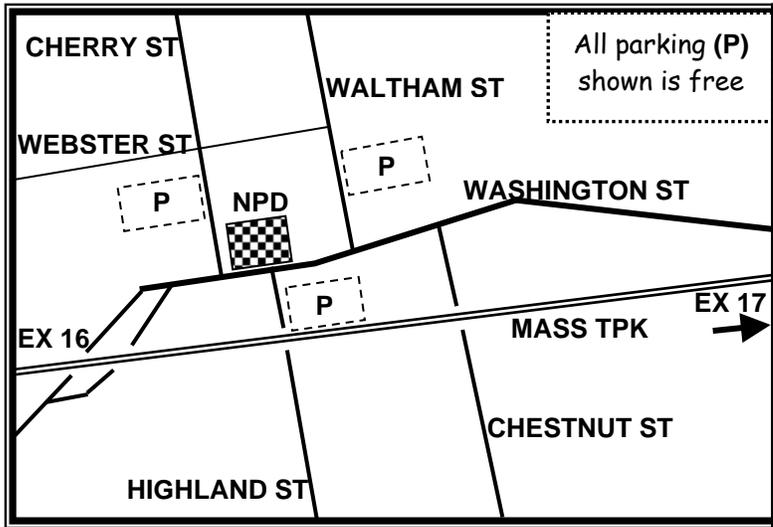
- ◆ GMRS is a land-mobile radio service available for short-distance, two-way communications to facilitate the activities of an adult (18 years or older) and his or her immediate family members, including a spouse, children, parents, grandparents, aunts, uncles, nephews, nieces and in-laws.
- ◆ A GMRS system may legally be operated only with a license granted by the FCC. The individual licensee is responsible for the proper operation of the GMRS system.
- ◆ A GMRS system is made up of station operators and a mobile station consisting of one or more mobile units. It may also include one or more land stations. Some land stations operate as repeaters, thereby extending the range of GMRS mobile units.
- ◆ New GMRS licenses are granted only to individuals, but GMRS licenses granted to non-individuals (such as businesses) before 31 July 1987, can be renewed if certain conditions are met. You can apply for a GMRS license online at <http://wireless.fcc.gov/uls/>, or by filing FCC Form 605, available at <http://wireless.fcc.gov/feesforms/forms.html#605>. The FCC sets license filing fees annually, and the current filing fee is now \$85. Licenses are granted for five years.

Low Power Radio Service (LPRS)

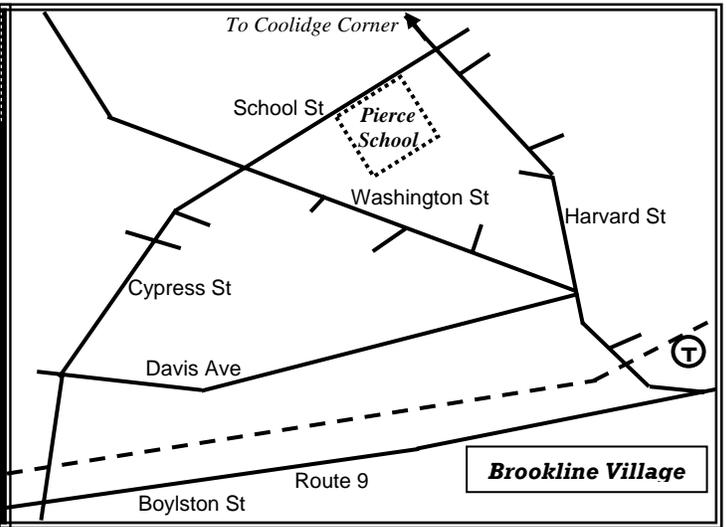
- ◆ LPRS is a private, one-way short-distance communication service that allows stations to transmit voice data or signals for auditory assistance to people with disabilities, people who require language translation, and certain individuals in educational settings. LPRS also allows stations to transmit voice, data, or tracking signals for health care-related communications and certain law enforcement activities. Two-way communications are prohibited. LPRS can also be used for network control communications in the Automated Marine Telecommunications System (AMTS).
- ◆ LPRS transmitters can be operated anywhere in the United States. There is no minimum age requirement to operate an LPRS transmitter.

Multi-Use Radio Service (MURS)

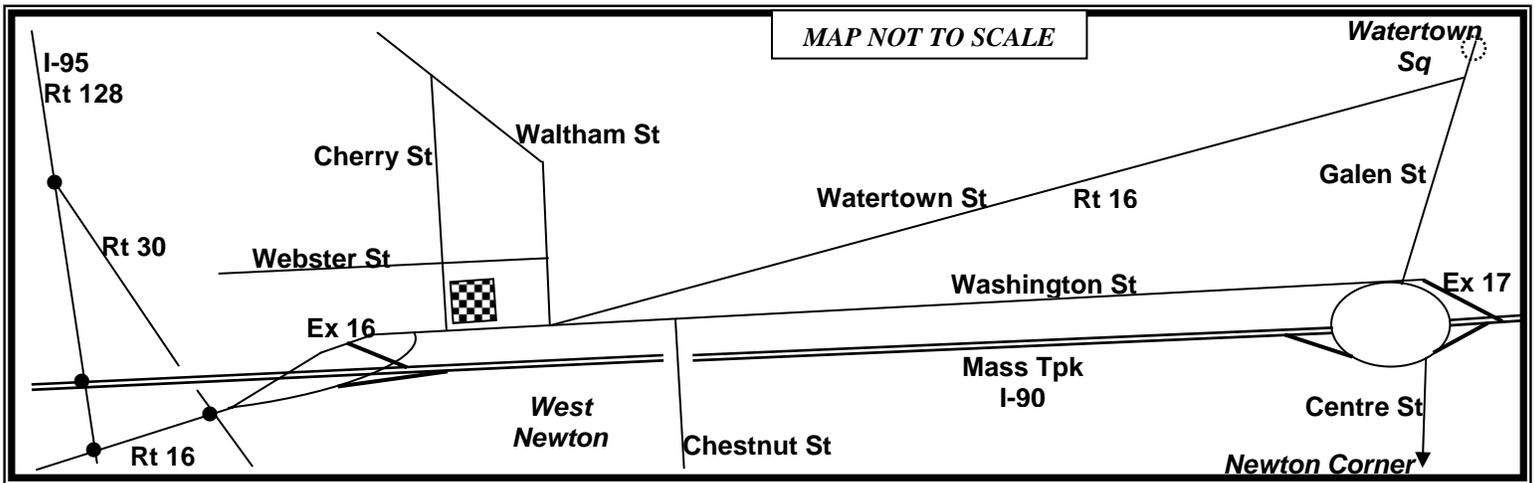
- ◆ MURS is a private, two-way short-distance voice or data radio communications service used for personal or business activities. The service operates on five Very High Frequency (VHF) channels, originally set aside for business use, but subsequently made available for personal use.
- ◆ MURS users must cooperate in using the five channels to reduce interference to other users. No user has priority over any other user, but all users must yield to emergency communications. A MURS station may not operate as a repeater station, including store-and-forward packet radio operation, or a signal booster.
- ◆ Maximum allowable transmitter output power for a MURS unit is two watts. Transmission range between two hand-held units varies depending on the unit's antenna height, terrain, and weather.



*BARC Meeting Location
Newton Police Dept., 1321 Washington St., West Newton*



*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.

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

Simplex: 147.42

BARC FIELD DAY IS SATURDAY, 29 JUNE

The headline above is to get your attention for the subject of the June BARC meeting. For us, Field Day is the framework for fun, and maybe some learning, too. Set up completely independent stations, raise antennas, operate on bands usually reserved for Extra Class, learn the techniques, learn how to solve the inevitable field problems, and...

HAVE A DAY FULL OF FUN !!

Most of the planning is done, but there are some loose ends. Then we need your help putting the plans into action. Come to the meeting and find out how you can help.

The next Meeting is:
19 June 2008 at 7:30 pm (doors open at 7:00)
at the Newton Police Headquarters
Community Room
1321 Washington Street
West Newton
Parking in nearby lots
Talk-in on 145.230 MHz (CTCSS 88.5 Hz)

Help eradicate blank space!

Get your news, views, stories and other contributions for the July issue of *The SPARC* to Editor, Paul Carter, N1TMF, no later than July 4, 2008.

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