



The SPARC

Newsletter of the Boston Amateur Radio Club

Volume XX, Number 9; September 2008

<http://www.barc.org>

w1bos@arrrl.net



Ramblings and Rumblings

This space is reserved for presidential commentary

We Have a New BARC Meeting Location

We now have a good relationship with The Salvation Army in Boston, and we once again will hold our meetings at their Headquarters building. The building address is 147 Berkeley St (at the corner of Columbus Ave) in Boston, but the entrance is on Columbus Ave. Meetings are held in the third floor auditorium.

Nearby **T** stations are Back Bay on the Orange Line and Commuter Rail; and either Arlington or Copley on the Green Line. Free parking is available in the adjacent lot accessed from Columbus Ave (directly across the street from the fire station). The building is handicap accessible. A map is shown on page 7 of this newsletter. Talk-in will be on 145.230 MHz [-], CTCSS 88.5 Hz.

Meetings begin promptly at 7:00 pm on the third Thursdays. Since we hold only one meeting each month, the first 30 to 45 minutes will be devoted to any necessary business, followed by the meeting program.

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.

PowerPole Connectors and Tool Available

Anderson® PowerPole® connectors are the standard for ARES and most other ham uses. They allow reliable, interchangeable power connections. BARC has the professional tool to make the crimped connections. We have a supply of the connector bodies and contacts to enable each member to have a full mated pair set (two red, two black, four contacts) free. Additional connector sets are \$1/set.

Tools and connectors can be available at any meeting for installation, instruction, and assistance. Contact Bob, WA1IDA, before the meeting and the kit will be brought.

End of Summer Picnic and BBQ

-- Mark Duff, KB1EKN

Immediate – the BARC Summer Picnic and BBQ will be held on **Sunday, 14 September** at the Bare Cove Fire Museum in Hingham. It is open to all members and guests. The club will provide hamburgers, hot dogs, salad, chips, cold drinks and an open barbeque for anyone to use for their own meat or other vittles. No alcohol is allowed.

The picnic will take place rain or shine since we have indoor access. Note also that the Fire Museum will be open for visitors.

We advise arrival between 1300 and 1330, with serving at 1400. This will allow some flexibility for the new MBTA Greenbush Commuter Rail Line schedule. The train station is “West Hingham.” The museum is about 1/3 of a mile in on a road directly across from the train platform. A convenient outbound train leaves South Station at 1255, and arrives at West Hingham at 1328. We will have a vehicle at the station to meet that train.

An inbound train leaves West Hingham at 1617 and arrives at South Station at 1653. A complete schedule can be found drilling through: www.mbta.com/

To help the planning, you and your family must sign up for this great time. If you want to help or just eat, send me an email at: emgmt@comcast.net. Please let me know *as soon as you read this* with how many will be in your party and your mode of transportation. Travel and other details can be provided when you are signed up. Talk in will be on 145.23 or 146.52.

Information on the Bare Cove Fire Museum can be found at: www.barecovefiremuseum.org/bcfm_inside.htm.

At the BARC September Meeting: D-Star – Digital Voice Over Radio

D-Star is one of the growing techniques used to communicate digitally by radio. As hams went from spark to CW to AM to SSB, digital voice is now with us. No longer on the horizon, it is a current practice. “Cal” Calvitto, WA1WOK, formerly the New Hampshire Emergency Communications Officer, has developed repeater networks for voice and simultaneous data using D-Star. He will tell us about how and why it works, along with demonstrations at the BARC September meeting on **Thursday, 18 September**, beginning at 7:00 pm.

Experience is a wonderful thing. It enables you to recognize a mistake when you make it again.

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

Simplex: 147.42

Some of Our New Hams Need Help

-- Eric Falkof, K1NUN

As you read this, with BARC support, eight new hams have emerged from a class of students with limited physical abilities. Several BARC members taught a Technician Class course at the Irving K. Zola Center for Persons with Disabilities in Newton – with a 73% success rate. We will coach the rest and we are certain that they will pass the next exam.

As we all know, getting a call sign is only the beginning of becoming a ham. 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 Tom, KB1OKP, at thbe125@yahoo.com or 781.395.5538 to lend a hand.

Whither the BARC UHF Repeater?

Our 70 cm repeater on 447.175 MHz (-), CTCSS 110.9 Hz, has been reduced in power to accommodate the US Air Force claim of potential interference to the PavePaws radar on Cape Cod. This request, through the FCC and ARRL, applies to all 70 cm repeaters in this area. Since the government has primary use of this band, we must comply.

As expected, the coverage of this repeater has changed significantly, and we want to determine the new conditions. If you are able, 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

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 (although we rarely stay beyond 1000).

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!

It is as bad as you think. They *are* out to get you.

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

BARC Meetings

The General meetings are held starting at 7:00 p.m. on the third Thursday of each month at the Salvation Army third floor auditorium, 147 Columbus Avenue, at the corner of Berkeley and Columbus. Our meetings are convenient to public transportation. Nearest T stations are Back Bay on the Orange line (exit the rear of the station) and Arlington on the Green line.

Parking is available; the entrance to the parking lot is from Columbus Ave. (across the street from the firehouse). It is also T accessible; the nearest T stations are Back Bay on the Orange and Purple lines (exit the rear of the station by the bus way and walk down Columbus) and Copley or Arlington on the Green line. A map appears on page 7 of the newsletter.

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.

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 7:00 p.m.)

- 18 September 2008
- 16 October 2008
- 20 November 2008
- ~18 December 2008 (*Holiday Party*)
- 15 January 2009

BARC Business Notes

The Treasurer reports an account balance of \$3919, as of 3 September 2008.

The next public service event is the BAA Half Marathon on 12 October.

The BARC Summer Picnic and BBQ will be held on Sunday, 14 September at the Fire Museum in Hingham. MBTA train service runs from South Station to West Hingham, a short walk from the site.

There will be no change in the schedule for BARC breakfasts until the start of 2009. It is presently held on the second Sunday of each month, year round, at the Old Country Buffet in Watertown. Beginning in January, the date will be moved to the third Sunday.

The Holiday Party will be held in December with the exact location and date to be determined by further investigation. All suggestions are welcome. Last year at the Stockyard Restaurant the event was a huge success – except for the parking situation which could be relieved in the future.

The nice part of living in a small town is that when I don't know what I'm doing, someone else does.

Simplex: 147.42

BAA Half Marathon Needs Hams

-- Bob Salow, WA1IDA

After seven years of successful events, the Boston Athletic Association Half Marathon now takes its place as a "Boston Tradition." Ham radio has established its community value at times like these. We have been asked again to support safety and administrative communications. With a little fine-tuning, including many ideas from hams, the event is expected to be even better than last year.

For those who have done this event before, you know the road conditions still call for our best support for the athletes. We need you again, and the Race Director has asked for even more ham help (that's what happens when we are appreciated).

If you are new to ham public service (or don't have much familiarity with it), this is the way to become familiar without much pressure. For hams, this is an easy introduction and an appreciated community service.

The course starts and finishes at Clemente Park in the Fenway. It proceeds along the Riverway, Jamaicaway and Arborway to the Franklin Park Zoo and return. This is the "Emerald Necklace" and is one of the most beautiful locations in Boston.

Date: **Sunday, 12 October 2008**

Ham start: 0600

Ham finish: 0930 to 1130 (depending on location)

Yes, I know it is the day before Columbus Day. The upside is it starts early and ends early, leaving plenty of time to enjoy the long weekend. Your help is greatly needed to continue this as a superb event and to uphold our reputation for dependable support. Our assignments consist of monitoring hazardous and critical locations along the course, and the medical/support stations. As we did last year, we plan to use a 2-meter repeater and possibly a 70-cm repeater. A hand-held with a good battery and an antenna better than a "rubber duck" is the way to go.

If you can help, please contact me as soon as possible. I will email the assignments and more detail as soon as they are available. For most assignments, you can go directly to your station. Please send me your best email address and a phone number (cell, also). Parking should be available very close to each assignment. Feel free to contact me if you have any questions at wa1ida@arrl.net or 508.650.9440.

FCC Vanity Fees to Increase 25 September

-- ARRL Special Bulletin 8, 26 August 2008

The Federal Communications Commission announced that the cost of an Amateur Radio vanity call sign will increase from \$11.70 to \$12.30. The increase will take effect September 25, 2008.

The vanity call sign regulatory fee is payable not only when applying for a new vanity call sign, but also upon renewing a vanity call sign for a new 10 year term.

More information is available at:

www.arrl.org/news/stories/2008/08/11/10257/?nc=1.

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 2008 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.

➤ *BAA Half Marathon - 12 October 2008 - Boston*

➤ *SKYWARN Recognition Day - 6 December 2008 - Blue Hill Observatory (Milton)*

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.



**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 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.

Jack Hamm, III KA1CFS

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.

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Simplex: 147.42

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.

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)
- **\$14.00** (good for all the tests you take at that session, except for retests)
- Written tests can be taken sequentially at the same session for the same \$14 fee.

The needed FCC forms will be provided.

For further information, contact:

Jim Clogher, N1ICN, 617.364.4658 nlicn@arrl.net
Tom Bertolino, KB1OKP, 781.395.5538 thbe125@yahoo.com

Future Exam Dates

(Second Mondays at 7:00 pm)

(October session omitted because of Columbus Day holiday)

10 November
8 December 2008
12 January 2009
9 February 2009

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

Emcomm Level 3 Course to be Revised

-- ARRL Letter, 29 August 2008

The ARRL Emergency Communications Level 3 Online Course is to be revised. New enrollments in the online Level 3 course will be suspended effective 1 October to allow an update of the course curricula. The updated course is to be available in the first quarter of 2009.

I See the Future

14 Sep	BARC Picnic & BBQ (Hingham)
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)
12 Oct	BARC Breakfast
18 Oct	NE Antique RC (Manchester NH)
16 Oct	BARC Meeting
19 Oct	MIT Flea (Cambridge)
1 Nov	Interstate RS Flea (Londonderry NH)
10 Nov	BARC VE Exams

(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.

PocketMod

You have to see this clever tool to believe it. A single sheet of paper becomes an 8 page pocket sized load of planning and data. Just go to www.pocketmod.com to see and use.

BARC-Net Net Control Ops Needed

Joe, W1JFF, has been doing a spectacular job as Net Control for our Monday evening net. But sometimes even Joe gets hit with work (ugh) interfering with his ham radio fun. Worse, he doesn't find out about the imposition until the afternoon - only hours before the net. We need a short notice Net Control from among those who usually check into the net.

You may be reluctant to jump into unfamiliar territory, but it's not a burdensome job. Pencil, paper and the steps to follow are all you need. The opening and closing statements are below. Beyond that, just keep track of those who check in, review the week ahead as shown in the newsletter. Then go around the group asking for comment or announcements. Remember - they are your friends and they would make the same mistakes you might make. They wouldn't dare criticize your errors.

Joe rarely misses a net, but you can take up the slack and your fellow hams will appreciate it.

President Needed

President (vacant)

You see that we do not have a formal President. We need a formal President. We need you to step forward to help lead the best club in this area. Nominations are still open!

Elmering CW Ops

-- Dan Romanchik, KB6NU

I have a reputation for being a CW zealot. It's a reputation that I quite deserve, thank you very much, and one that I'm proud of. Working CW is a heckuva lot of fun, and I want to help as many hams as I can enjoy it as much as I do.

Unlike some OFs (email me if you're not familiar with that CW abbreviation) who just complain that no one operates CW anymore or bemoan the elimination of the code test, I try to walk the walk as well as talk the talk. Here are some of the things I do to get guys to operate CW:

- ✓ I carry copies of the K7QO Code Course on a CD-ROM: www.kc5cqm.org/pmwiki/pmwiki.php?n=main.k7qocwcourse. K7QO has graciously allowed this version to be distributed freely, and when I'm at a ham event, and anyone expresses even the slightest interest in CW, I pull one out of my briefcase and hand it to him or her.
- ✓ I try to keep one or two inexpensive paddles around to sell to interested folks. Bencher BY-1s are good starter paddles, and you can often find them at hamfests or on EBay for fifty to sixty bucks. I usually keep one or two "in stock." When someone asks about paddles, I offer to sell them one of the ones I have for exactly what I paid for it. Since they know me, they get a good feeling that they're getting a decent paddle at a decent price. And once they have it in the shack, it takes away one excuse for not operating CW. I also, provide technical support. By that I mean I help them get the key and keyer adjusted properly and help them use it properly.
- ✓ I never denigrate or complain about hams that never had to pass a code test. That's a sure turnoff. As soon as people get the feeling that you're looking down your nose at them, you lose all credibility with them and they just stop listening to you. My personal opinion is that if more folks have ham licenses, then the pool of potential CW operators is bigger.
- ✓ I never denigrate or complain about hams that don't operate CW. See above.
- ✓ I acknowledge that Morse code can be difficult to learn. I often apologize for the fact that I got into it when I was young and it was easier for me to pick it up then. I also apologize that I seem to have at least a limited talent for Morse code. I acknowledge that this is not something one learns overnight. You're more likely to win someone over if you sympathize instead of criticize. I like to challenge them to learn it, noting that once they've acquired the skill, it's something that they can be proud of. Not only that, it's a lot of fun!
- ✓ I try to show them how much fun CW is! I have an Elecraft KX-1, which I take to places like club picnics. Throw up a simple antenna and I am on the air making contacts. I also invite guys to my shack to show them in person how cool it is.

Finally, I give presentations to just about any club that invites me, if I can make the arrangements. On my blog at <http://kb6nu.com/a-cw-presentation-for-your-club/>, you can find the text for the slides I used for my presentation, "CW is Fun!" Feel free to use them to give a presentation to your club.

Who knows? If you give this presentation to your club, maybe you'll even get one or two guys interested enough in CW to learn the code and get on the air. If every current CW op Elmered one other ham every year, the CW bands would be chock full of activity. We'd be complaining that it's impossible to find a clear frequency instead of complaining that it's getting hard to find a contact.

Free Foreign Language Courses

Did you know that you can access free foreign language courses online? The Foreign Service Institute offers a variety of learning materials for a range of languages, including Arabic, Chinese, French, German, Hindi, Korean, Russian, and Spanish. Check it out at: www.fsi-language-courses.com/.

Be a Net Control for BARC-Net

What happens when the regular Net Control is not on the air at the assigned time? Don't look around – look in the mirror. It's up to you. Don't be scared – it's a lot easier than you think. Grab a pencil, some paper and your radio. Calm down and start this way:

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

Calling the Boston Amateur Radio Club net. This is <<YOUR CALL>>, my name is <<YOUR NAME>> and I am located in <<YOUR TOWN>>. This net meets each Monday evening at 9 pm Eastern Time on the 145.230 Boston repeater, PL 88.5. This net is an informal round table discussion concerning matters of interest to the members of the Boston Amateur Radio Club and the Boston Amateur Radio community in general. When checking into the net, please say, "this is" and drop your carrier to check on doubling. Then give your call sign, name and location. All amateurs are welcome to join the net. Any checkins for the Boston Amateur Radio Club net please call now.

Ask each checkin in turn for a comment or contribution of wisdom.

When all the participants have had their say...

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.

Feel good? You should. You just ran the BARC-net.

21 Simple Transistor Radios You Can Build,

By R. H. Warring

Reviewed by Tom Bertolino, KB1OKP

R. H. Warring is one of the best-known writers in the field of practical radio and electronics, and is renowned for writing technical books that can readily be understood by the layman.

This book first sparked my interest during my search for information on how to tune an antenna. In addition the title brought back some memories of my childhood when my brother and I built a Crystal Radio. I can still remember the magic moment when I placed the ear phones on. Will I hear anything? You can imagine my surprise when I heard the station's call sign, WMEX, being yelled out by Arnie "Woo Woo" Ginsberg over the song "Who Wears Short Shorts". I don't think I will ever forget that song or Arnie.

When I started to read this book I got a pleasant surprise. Warring takes his readers from basic wave theory (he covers only AM) through: tuned circuits, amplifiers to pre-amps, simple one diode radios to superhets, and along the way he covers components, circuit construction, and wire diagrams. He presents the subjects in terms a layman can understand (you don't need to know anything about radios or electronics). His explanations and examples are simple.

The book is 137 pages long in thirteen chapters, an appendix, and index. The first four chapters, "Radio Made Easy;" "The Language of Radio;" "Crystal Sets;" and "More About Tuned Circuits" are the heart of his book. In the chapter "Radio Made Easy," Warring starts his building block method of presenting his material. His presentation of wave theory starts with how sound moves through the air from one person's mouth to another person's ears. He continued to use examples on how man used microphone, wire and amplifiers in ways to improve the distance sound can travel. Warring used these examples to introduce frequency, amplitude, wave length, audible sound, and radio frequencies along with amplitude modulation (AM).

Warring than explains how radio frequencies can be picked-up by a wire, and how this wire is affected by all the different radio frequencies that come in contact with this wire. He uses this explanation as an introduction to tuned circuits and resonant frequency.

Chapter 2, "The Language of Radio," is straight forward. He gives common abbreviations, units, and symbols along with numerical values from Mega thru Pico that are use in the language of radio.

In the chapter "Crystal Sets" Warring explains how a simple radio receiver can be built with wire, a diode, a ferrite rod, and a low cost high impedance earpiece (however, in the next chapter he shows how the ferrite rod can be replaced with cardboard roll similar to a toilet paper roll). He also states the quality of the radio will depend on how well the tuned circuit is built. He goes on to show how to build a tuned circuit for a simple AM radio. His pictures and examples on how to make a coil are easy to follow. In my opinion a child as young as nine or ten years old under minimum supervision can make them. His simple wiring

diagram shows how the components are connected; combined with his explanations on how to connect the components are excellent. The builder should have instant success as soon as he/she puts the ear piece in his/her ear.

As I referred to in the above chapter 4, "More About Tuned Circuits" gives alternative methods on how to build a tuned circuit. It shows how to calculate the value of an air core coil given the values of a typical tuning capacitor. Unless you have some knowledge of algebra, Warring's example will be difficult to follow. Just take his word for it, and use the number of windings he came out with to build your air core coil on a cardboard roll. I did this, and it worked well. If you want to use a ferrite rod to build your coil, the author gives the number of turns for common diameter ferrite rods and should work well for AM reception.

In the chapters on amplifiers and transistors, Warring explains the basics in the same straight forward method he used in the first four chapters. If you do not understand how amplifiers and transistors work these are excellent chapters to read. In simple terms he explains how: amplifiers work; how to calculate the value of bias resistors; where to place the amplifier in the circuit; and how to stabilize the transistor. He also inserted a table which shows the characteristics of some of the more popular transistors.

The chapter on components shows: pictures of types and varieties of components that go into a radio. Warring discusses and gives the make-up of each and some uses. I would recommend this chapter to be read by individuals who can not tell the difference between resistor, capacitor or transistor. This chapter is also excellent for those who want to teach someone the basic electronic components.

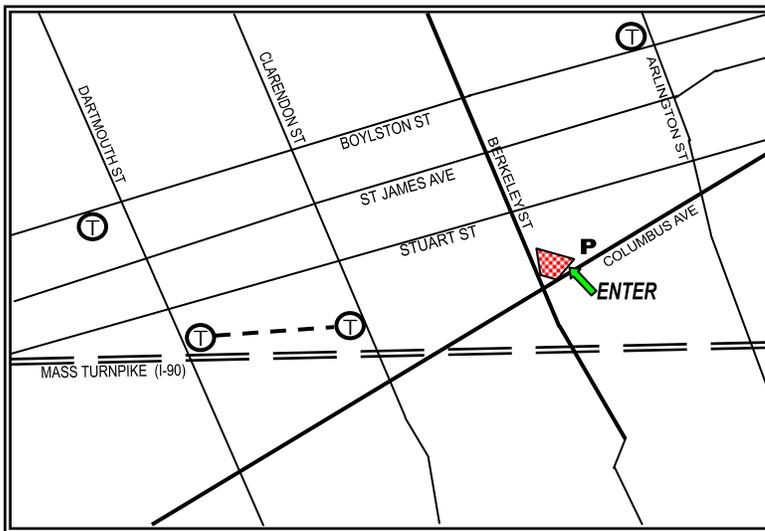
I did not read the chapters on TRF receivers, Superhets, and Regenerative and Reflex receivers. At a quick glance, Warring followed the same building block format he used in his other chapters, but his wiring diagrams progressed to more professional type wiring diagrams.

I would recommend this book for two reasons: First, the author's examples and explanations are easy to understand. For this reason alone, this book would make an excellent reference for new hams who do not yet grasp the basic principles of wave theory, resonant frequency, and tuned circuits. Second, what better way to promote interest in radio in a young person than to help him/her to build a crystal radio set?

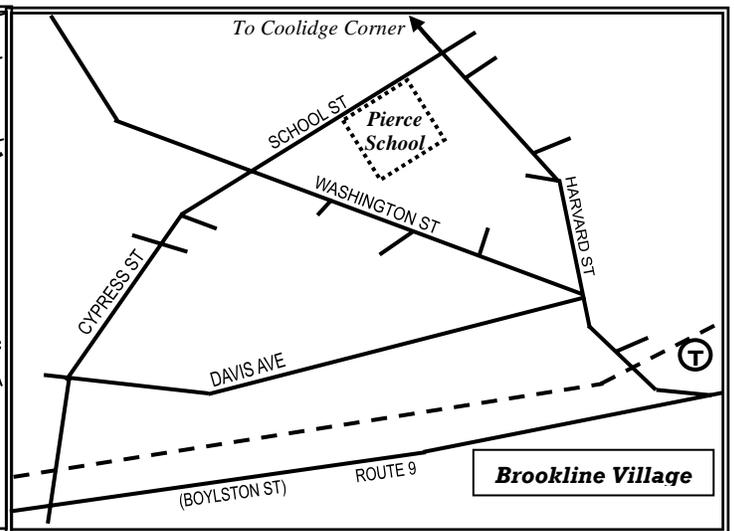
It worked on me. I bought this book on the internet for about \$23.50. You may do better if you shop around.

Published by: Tab Books, Blue Ridge, PA 17214, Second Printing – June, 1977.

There are four types of people in this world,
Those who make things happen,
Those who wait for things to happen,
Those who wonder what happened,
And those that didn't know that anything was happening.



Meeting – Boston Salvation Army
Corner of Berkeley St. and Columbus Ave.



VE Session – Pierce School
50 School Street, Brookline, Room 110, next to the cafeteria

BARC Officers and Staff

President	(Vacant)		
Acting President	Bob Salow, WA1IDA	508.650.9440	wa1ida@arrl.net
Vice President	Tom Bertolino, KB1OKP	781.395.5538	thbe125@yahoo.com
Secretary	Paul Olivieri, N1ZKR	617.782.4005	n1zkr@juno.com
Treasurer	Jim Clogher, N1ICN	617.364.4658	n1icn@arrl.net
Volunteer Exams	Jim Clogher, N1ICN	617.364.4658	n1icn@arrl.net
	Tom Bertolino, KB1OKP	781.395.5538	thbe125@yahoo.com
Public Service	Bob Salow, WA1IDA	508.650.9440	wa1ida@arrl.net
Newsletter Editor	Paul Carter, N1TMF	617.232.6982	n1tmf@pvctronics.com
Programs & Activities	Phil Temples, K9HI	617.331.0183	phil@temples.com
	Eric Falkof, K1NUN	508.358.4554	k1nun@netscape.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
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 8 pm	Algonquin Amateur Radio Club Net	446.675 (PL 88.5)
Sun 8:30 pm	NSRA Net (with Newsline)	145.470

DIGITIZED VOICE OVER RADIO IS COMING - LEARN NOW

Cal, WA1WOK, will guide us through the new methods of communications using D-STAR. He will tell and demonstrate what hams need to know about the near future.

Come to the September BARC meeting and get the word.

The next Meeting is:
18 September 2008 at 7:00 pm
at the Salvation Army Headquarters building
Columbus Avenue at Berkeley Street
Boston
Parking in the adjacent lot on Columbus Avenue
Talk-in on 145.230 MHz (CTCSS 88.5 Hz)

Help eradicate blank space!

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

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