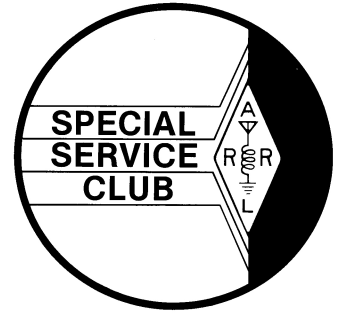




The SPARC

Volume XI, Number 12; December, 1999
Newsletter of the Boston Amateur Radio Club
<http://www.barc.org/barc>



Our President Speaks

Ed Hennessy N1PBA

It's almost here! The year 2000! What does that mean? Perhaps not much, other than there will be a big party and Friday will have become Saturday. In any event, none of the emergency management agencies across Massachusetts are taking any chances. Some have asked for help from hams to staff their emergency operations centers. Others ask that hams have HTs handy at home or while out and about. Please offer to help if you can (even if that means carrying a HT with a charged battery and keeping an ear on 145.23 during the day on the 31st. We will be passing along the requests we receive on the repeater (especially during BARC nets) and also through the Internet (barc-list). No matter what happens, the BARC repeater will remain up, as it is connected to the emergency power supply at the Federal Reserve building.

Remember the talk we had on fox hunting? Well, a few nights back the Waltham repeater was jammed by some very strong signal on its input. A group of WARA members spent the evening and part of that night trying to find the source. Last I heard before I fell asleep was that they were on the way to Revere, to see if their DFing had found the source. Whatever the source was, the next morning, the Waltham machine was back up. This demonstrates one of the valuable uses of foxhunting. It's fun and easy enough even with a HT, and any info you can provide to the hunters is of great help. I plan on having a small Fox-Hunt 101' again soon.

I hope everyone can attend the various events BARC will be having soon. If your schedule doesn't allow evening meetings, consider coming to the club's monthly breakfast. It's held the second Sunday of the month at 8:30 AM at the Old Country Buffet

in the Watertown Mall. For under \$7, you can have all the breakfast you can eat. We started the breakfast as a means of having a less ham-related, more social type of gathering that also may allow members on the evening and night shifts to get together.

Also upcoming is our annual BARC Holiday Dinner. This year's is at the Tin-Tin Buffet in Brighton. They feature all-you-can-eat American and Chinese food for \$8.95 plus tax. If for whatever reason you didn't return the head count form, come to the dinner anyway. The club does not need to have an exact count for reservations, so please join us. We'll present BARC's Ham of the Year 1999 that night; come help congratulate the winner!

I'd like to take a moment to thank everyone who helped make 1999 a good year for the club. A lot of stuff happens at every event because of the tireless work of many people, especially a certain small group. I don't want to name anyone, for fear of leaving someone out. But, without these people, nothing would have gotten done. Thanks. Please consider helping out as well—these tireless folks are starting to burn out, and that's something no one needs, and the club will suffer if it happens.

And finally, I'd like to extend to all of you my best wishes for a happy and healthy holiday season with family and friends, and to all of you I wish a prosperous 2000.

73 de Ed, N1PBA

Prepare for Nothing?

By Bob Salow, WA1IDA

Anyone with sense expects the Y2K calendar rollover to be a minor event. But yet, wisdom suggests that communities and response agencies be prepared – just in case. This is not a wild-eyed, screaming response

(as some are suggesting), but an orderly preparation. Several communities and organizations have already asked BARC for backup communications support for their rollover preparedness. More requests are expected.

We realize that New Year's Eve may not be the most comfortable time to call out the hams, although the state and almost all communities and response agencies will assign their personnel. To accommodate this, the BARC response plan is to offer one (rarely two) ham to be posted to each respective command post as a liaison to the established nets if a need arises for more hams. These nets will be active from the middle of the evening on Friday, 31 December into the morning of Saturday, 1 January. We are informed that food and minor frivolity will be provided.

More hams will be needed for the command post assignments, but just as importantly, *all* hams should be monitoring the key repeaters through this period. Keep in mind that it is not just that the phones or electricity may falter, but that some misguided individuals or groups may take the opportunity to disrupt with acts of vandalism.

The nets will be a source of information and alerts. The key repeaters to be used are Waltham, on 146.64 MHz; and Boston, on 145.23 (PL 88.5 Hz). Roll calls will be made at 2300 Saturday and 0100 Sunday for you to advise your readiness.

If you can assist with a command post assignment (possibly in your own community), or you agree to monitor and respond if needed during this period, contact Bob Salow, WA1IDA, either by email to walida@arrl.net or by phone at 508.650.9440. Please help BARC respond effectively by contacting Bob promptly.

Our support of the communities and agencies will go a long way toward recognition of ham radio as a competent and ready resource.

It's Time to Renew

The BARC membership year runs with the calendar year. That's why most of you will find a renewal membership form enclosed with this issue of The SPARC. We know it's a trying time of year, but think of the Treasurer and his volunteer staff who need to keep the books up to date. You can help by renewing your membership promptly in the best club around. The membership form has all the information you need to act quickly. Please fill it out completely and legibly. Make an effort to determine your full 9-digit ZIP Code - it can save us money.

To avoid consternation and embarrassment, we are trying to send the form only to those who have not renewed. If your renewal has been entered by the newsletter mailing date, you should not get another form. Please understand that there are delays in processing, so there may be an apparent error. You can use extra forms to sign up a new member.

The 2000 Boston Marathon

This notice is earlier than it has been in the past. Because of the millennial year (starting or ending the millennium - your choice), the Marathon field is being enlarged. It will be 50 percent larger than in recent years, but not as large as the 100th running in 1996. Our ham radio operation along the course has been asked to increment as well. There's no question that our performance has benefited the runner safety and strengthened the administration of the event.

Aside from the athletics and the competition, the Boston Athletic Association (BAA) has created one of the safest and user-friendly events of its kind in the world. It takes months of planning and over 7000 volunteers to make it so each year. More than 200 hams contribute time and skills toward a small, but vital, part of this classic event.

The Boston Amateur Radio Club has been asked to coordinate hams for emergency communications along the 26-mile course on 17 April 2000. In recent years about 130 hams from all over New England (and beyond) have turned out, but for 2000 we have even greater responsibilities to support safety and comfort for the runners and spectators.

The BAA has asked for each ham serving at the Marathon to have at least minimum experience in ham radio public service or emergency communications. This experience can be gained by participating in a public service event before the Marathon on 19 April 1999. The Marathon is an exciting and intense day, so duty at other events can serve as a lower key introduction. Because of an accumulation of changes in the past few years, all ham volunteers will be asked to attend one of the briefings we will hold in mid March and early April.

Your help is needed for the 2000 Boston Marathon course. Whether you have volunteered before or you're new and haven't done it before, contact Bob Salow, WA1IDA, promptly to get on the mailing list for more information. You will have a great time.

To get the ball rolling, send Bob your name, call sign, mailing address, evening and day phone numbers, and e-mail address. To reach Bob:

walida@arrl.net

(508) 650-9440

PO Box 3773
Natick MA 01760-0030

Yes, you will have a great time, but you can help now by acting NOW.

ARRL VEC Sets Exam Fee For 2000

The FCC has announced that the maximum Amateur Radio examination fee reimbursement that Volunteer Examiners and Volunteer Examiner Coordinators can collect during calendar year 2000 is \$6.66. The ARRL-VEC has set its 2000 test fee at \$6.65. Per ARRL-VEC policy, there is no

examination charge for those taking only Elements 1A or 2. A \$6.65 fee will be collected from applicants seeking to upgrade using a physician's certification to waive the Morse code examination.

Ride Needed

New member, Bob Dugas, W1RFD, needs a ride to club meetings. He lives in the Nonantum section of Newton. Give him a call at 617.244.4987, or email at w1rfd@gis.net

Database Help Needed

With the growth of the club, the BARC membership database needs a major overhaul. If you are experienced in structuring and creating in Microsoft Access, please contact Bob Salow, WA1IDA. Phone: 508.650.9440, or email: walida@arrl.net

BARC Monthly Breakfast

Every month, BARC has a social breakfast on the second Sunday of the month, which is December 12 this month. We'll be meeting at the Old Country Buffet at the Watertown Mall at 8:30am. They are *very* good, offering an extensive breakfast buffet, costing \$6.35 per person.

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

Please reserve Wednesday, December 16 for the BARC holiday buffet dinner and awards presentation. This year, we're trying

something new; a Chinese buffet in Brighton called Tin-Tin (they have some American dishes also.) Aside from the food and fun, BARC's Ham of the Year award will be presented at the party. Get out your pen and your checkbook and get ready for some real holiday cheer!

Salvation Army Needs Holiday Bell Ringers

Do you want to volunteer some time to help out those less fortunate than yourself? Have you ever asked what you can do to help? The Salvation Army kicks off its Annual Christmas Kettle Season on November 19th. Please give some of your time, a few hours, a day or whatever you can. The donations that The Salvation Army collects during the Christmas season help individuals and families in need year round by supplying food and clothing, rental assistance, utility assistance, disaster relief and much more. The Salvation Army is represented by 34 offices in the Commonwealth of Massachusetts and has representation in over 200 other communities. If you would like to find out more about volunteering to help with our Christmas Kettle effort or volunteering anytime in Massachusetts contact Michael S. Koenemund, KB1CKF at 617-542-5420 x513 or contact your local Salvation Army. And don't forget when you see a kettle, please put something in, a little goes a long way when everyone helps out.

Greetings from Central NH ARC

Our club repeater site is located not too far from Gunstock Ski area and Lake Winnepesaukee. There are a lot of vacation visitors from your area that are hams and we welcome all to use the repeater and web site.

W1JY 147.390+
Linked with:
W1DDI 446.625-

73,
Ken - KB1COM / KB1DCW
kb1com@landmarknet.net
Central NH ARC
<http://www.cnharc.org>

Future General Meeting Dates

(Third Thursdays at 7:30 p.m.)

20 January 2000
17 February 2000
16 March 2000
20 April 2000
18 May 2000
15 June 2000

Check Out the ARRL Website

Tom Frenaye, K1KI, ARRL New England Division Director, suggests some useful places to check out on the ARRL web site. Make sure to check out the "**What's New**" section every time you visit, to catch the most recently added items.
<http://www.arrl.org/whatsnew/>

1) Interested in a summary of current **threats to Amateur Radio bands**? Read through these articles:
<http://www.arrl.org/news/bandthreat/>

2) The online list of **hamfest and conventions** can be reached via the link below (in the future we hope to be able to have a search function so you can easily find all of them within 25-50-100 miles of your Zip code):
<http://www.arrl.org/hamfests.html>

3) Need to find the **web site for an ARRL advertiser**? Check out the list on the advertiser links page:
<http://www.arrl.org/ads/adlinks.html>

4) Do you **want to have a 1x1 call sign** for an upcoming special event activity? You can reserve one easily and quickly by following this link:
<http://www.arrl.org/arrlvec/1x1.html>

What do you find to be the most useful part of the ARRL Web site? What hidden treasures would you recommend to others? What additional information would you like to see available on the ARRL Web site? Let me know - your input will be used.

73, Tom Frenaye, K1KI, ARRL New England Division Director, k1ki@arrl.org

Minutes of the Boston Amateur Radio Club Business Meeting

December 2, 1999

Recorded by Michael Ardai, N1IST, BARC Secretary

Present were:

Mike Ardai, N1IST, Secretary
Arthur Ashley, N1NHZ, Membership Services

Ed Burg, N1VSJ

Guy Bzibziak, KB1CRY

Paul Carter, N1TMF, SPARC Editor

Bob Cassell, N1ENS, Executive Committee

Jim Clogher, N1ICN, Treasurer

Dick Doherty, KA1TUZ, Vice President

Mark Duff, KB1EKN

Joe Fratto, N1RLO

Kathy Fratto, KB1DOV

Mike Kass, N1YER

Mike Koenemund, KB1CKF

Dan Malloy, KA1RDZ

Tony Mercauto, N1OBL

Bill Ricker, N1VUX

Bob Salow, WA1IDA, Public Service

Grant Taggart

The meeting was called to order at approximately 1830

We have been asked to help provide hams to staff EOCs for the Y2K date rollover. We will provide one or two hams for each location (Cambridge, Newton, SATERN, and VA Hospitals so far) and ask that people keep an ear on 145.23 and 146.64 as midnight approaches just in case we are needed. Please be prepared with a HT, gain duck, and spare batteries.

There will be an all-day ARES training session in Boston on February 19th. Keep an eye on the SPARC for more info.

We need to figure out what our plans are for Field Day next year - should we do it, how seriously, who can coordinate it... Come to the next business meeting if you are interested.

Several club officers will not be running for reelection next year. We need to start finding people interested in running for office.

Thanks to everyone who donated to BARC in 1999, whether on the membership renewal form, flea market, or other donations. The

donations go a long way to helping the club stay afloat.

The meeting was adjourned at approximately 2015.

The Boston Amateur Radio Club holds its monthly Business meeting on the first Thursday of each month. The next one will be on Thursday January 6, 2000 in the food court of the Cambridgeside Galleria Mall in Cambridge. We meet at 6:30pm in the lower level, down by the windows facing the lagoon.

This is where the real business of BARC is conducted. If you have any suggestions, questions, or comments, this is where to bring them. All members are welcome (and encouraged) to join us at this meeting.

Future Business Meeting Dates

(First Monday at 6:30 p.m.)

3 February 2000
2 March 2000
6 April 2000
4 May 2000
1 June 2000

BARC Growth

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

Bob Dugas	W1RFD
Julio Roque	
Joe Weisse	W1HAI

In addition, we would like to note here any call sign changes you have made, and honor all members who upgrade. 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@arrl.net.

Who Are We?

On 19 Nov 1999, BARC had a total of 156 members. 143 lived in Massachusetts, 13 elsewhere. 34 were Extra class, 19 Advanced class, 21 General class, 42 were

Technician Plus class, 31 were Technician class, 2 were Novice class and 7 were not licensed hams. 112 were regular ARRL members, 14 were ARRL Life members and 30 were not ARRL members. 36 were on packet, 116 were on e-mail and 33 were on both

Editor's Notes

Changes

We hope that this SPARC is somewhat more attractive and readable than previous issues. The venerable HP Deskjet 520 printer that we've used to create SPARC masters has been honorably retired in favor of an Epson Stylus 700. Perhaps next time we have to run some photos in the SPARC, they will look better than photos from 1950's moon probes! The Deskjet may find its way to the next MIT Flea; if so, you could own a piece of BARC history!

The FCC has recently announced that they are working on their Amateur licensing restructure. Many people suspect that the new system will be announced this month – although there were also rumors that it would be announced at this year's Dayton! Whenever they finish, we should be prepared to see license classes eliminated and access to the HF bands liberalized. Many people will be unhappy whatever the result – many people have already been unhappy with the idea of changing a system they think works. We see no reason to think, whatever happens, that Amateur Radio will die as a result. We've gone through many changes, regulatory, technical and cultural in our nearly one hundred year history. We've always adjusted before and will do so again if we keep in mind that our common bond – what Amateur Radio is *really* all about – is our common love of these marvelous little radiating, communicating machines and what we can do with it. So, for example, if code requirements for HF are liberalized, don't think of it as an invasion of 'Cbers,' look at it as an opportunity to create more traffic handlers, SSTVers and PSK31ers!

Finally, we've little to say about that certain upcoming calendar event that's generated so much attention and concern. After all, what's the big deal? We've all known since grade school how to add one to 1999, right?

I'm grateful to all that sent contributions and suggestions for improvement - keep those cards and letters coming in. I can be reached by email at pvc@tiac.net, snail mail at 11 Commonwealth Court Apt#15, Brighton, MA 02135, and most if not all BARC club nets and general meetings.

BARC VE Session

The Boston Amateur Radio Club holds its monthly VE session on the second Monday of each month. The next session will be at 7pm on Monday, December 13, 1999 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:

http://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 Green Line to the Brookline Village station. Walk north along Harvard street 0.2 miles to School Street, 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 (Novice 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)
- \$6.45 (good for all the tests you take at that session, except for retests); Novice exams are free. Beginning 1 January 2000, the fee will be \$6.65.

The needed FCC forms will be provided.

For further information, contact
Bob Wondolowski N1KDA
(508) 865 5822
wondobob@juno.com

Future Exam Dates

(Second Mondays at 7:00 pm)

10 January 2000
14 February 2000
13 March 2000
10 April 2000
8 May 2000
12 June 2000

Catch us on the Internet!

The Boston Amateur Radio Club has a web page at <http://www.barc.org/barc>. Here you can find some of the latest BARC news, sample exams, maps to our meetings and VE sessions, links to other radio clubs, and a club roster (only names, callsigns, and e-mail addresses are on-line). If you have any suggestions, please let me know at n1list@netcom.com.

New on our web page are the club articles:
<http://www.barc.org/barc/articles.html>
and bylaws:
<http://www.barc.org/barc/bylaws.html>.

We also run an FTP site at <ftp.barc.org> under <pub/hamradio>. We've got a mirror of the ARRL infoserver, BARC documents, ham radio software, and a huge mods archive. Cheyenne Greatorex, n1qzs@magrathea.com, maintains the FTP site. Contact him if you have any comments.

We also run a club e-mail list. To subscribe, send a message to majordomo@majordomo.netcom.com with the body (the subject is ignored)

subscribe barc-list

The welcome message will list the other lists that we have over at Netcom. (Yes, I know it isn't on the radio. It is, however, an additional resource for getting in touch with other hams around the world...)

73, /mike n1list@netcom.com

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.

Net Volunteers Needed

The Eastern Massachusetts 2M Traffic Net, the Heavy Hitters' Traffic Net, and the BARC Club Net are always in need of volunteers to act as Net Control Station. This is excellent practice for emergency communications, and also an opportunity to sharpen your operating skills among a friendly group of people. For further information please contact Mike Arda N1IST.

RACES Net Schedule

Here is the complete list of Massachusetts RACES Net frequencies. These frequencies will be active beginning at 7pm on First Mondays. Some of these nets start as late as 7:30 or 7:45pm, and all welcome visitors. If you check in, and no RACES station checks in for your community, you will be asked to accept the message(s) and deliver to the local EMA director in your city/town.

Area	Coverage	Frequency / Location
IA	Waltham/ Framingha m	146.64(-)/146.52(s)
IB	Waltham/ Framingha m	146.64(-)/146.52(s)
IC	Groton/ Westford	146.955(-) PL 74.4/147.645(s)
1D	Burlington/ Lincoln	146.715(-)
1E	W Newbury/ Amesbury	146.625(-)/146.55(s)
1F	Beverly/ Peabody	147.39(+)/146.88(-)
IIA	Bristol County	147.135 / Taunton
IIB	Plymouth County	145.250 / Norwell
IIC	Cape and Islands	147.045 / Dennis
IID	Norfolk County	146.865/ Sharon PL 146.2
IIW	Hampden/ Hampshire CTY	146.94 Primary
IIW	Hampden/ Hampshire CTY	146.67 Secondary
IIW	Berkshire CTY	146.91 Primary
IIW	Berkshire CTY	145.21 Secondary
IIW	Franklin CTY	146.985 Primary
IIIE	South Worcester Cty	146.97/Paxton PL 114.8
IIIE	North Worcester Cty	145.37/Templeton CSQ
WMA	Western Mass ARES	3937+/-
WMA	Western Mass backup	3942 +/-
State- wide	Statewide Primary	53.31- Mt. Wachusett PL 162.2/100.0/71.9
State- wide	Statewide Secondary RI NH FEMA	448.625 Mt. Wachusett PL 88.5
EMA	EMA ARES	3915 +/-
MARI	Massachus etts Rhode Island Emergency Net	3943 KHz
SEMC	1st of every	147.000

ARES	month	
SEMC ARES	15th of every month	145.49

Tom Kinahan N1CPE
Massachusetts State RACES Radio Officer

Eastern Mass Public Safety Net

The EMA Public Safety Net will be held every Tuesday at 9 p.m. on 145.230 The net is a forum type net for Public Safety subjects. All Amateurs are welcome.

Any input for the net should be sent to net manager KA1TTG Bob Ankenbauer (Somerville MA PD)

Email: ka1ttg@juno.com
Packet: KA1TTG@W1ON.FN42JM.MA.USA.NA

73 Dick
ka1tuz@gis.net
KA1TUZ@KA1TUZ.FN42JH.MA.USA.NA

I See the Future

- 1999**
- 12 Dec BARC Breakfast
 - 16 Dec BARC Holiday Party
 - 31 Dec Y2K coming
- 2000**
- 1 Jan Y2K arrived
 - 9 Jan BARC Breakfast
 - 22 Jan Antique RC Flea (Nashua NH)
 - 12 Feb ARES Training Program
 - 13 Feb BARC Breakfast
 - 19 Feb Algonquin ARC Flea (Marlboro)
 - 11 Mar Interstate Rptr Soc (Londonderry NH)
 - 18 Mar Quonapowit RA Auction (Saugus)
 - 16 Apr MIT Flea
 - 17 Apr Boston Marathon®
 - 12-13 Hoss Traders Flea (Rochester NH)
 - May NH
 - 26-27 ARRL NE Div Conv (Boxboro)
 - Aug

® = Repeater 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 PBBs regularly. If needed, contact any club member who has access to these.

Got A Question?

I recently got a great deal on a used (like new) Yaesu FT-415 2m HT. It looks great and works very well, and I am pretty sure I will keep it.

I am wondering if anyone on barc-list has any experience using this model. I have read the QST review from 1992, but other info is sparse on this HT. There seems to be little out there on it. I do know that batteries and such are still available. Its sister dual bander (the FT-530) seems much more common.

Anyone have any comments, good or bad, on this model? Reply to me privately. If there is interest, I can post a summary of comments to the list.

Thanks and 73
Ed Hennessy, N1PBA
N1pba@qsl.net

You have a question - technical, operating, equipment, club activities, ham radio, computer, whatever. You asked on the air. You asked at a club meeting. You asked your friends (maybe even your enemies). No useful answers. Next step? The Reader's Forum in the SPARC. This space will be devoted to your questions, problems and grief relief. If we can't get you quick internal solutions, there are 300 other readers who can take a crack at it. Contact the Editor by e-mail, snail-mail, phone, or in his face. You'll be glad you did.

By the way, if you have something to sell or you're looking for a special part or equipment, The SPARC is the place to let the ham community know about it. These notices are free for members.

Several Hundred Boston Area Hams Could Be Reading Your Ad Right Now

Commercial advertising in the newsletter provides important services to our members. Besides bringing income to defray the

newsletter production costs, you can learn about and patronize those who support us.

We limit the ads to electronics related businesses and to professional ads from members. Advertisers can display a business card size (3.5 x 2 inches) space for \$10.00 per month or \$48.00 for the same ad for six consecutive months. If camera ready copy is not provided, there may be an additional charge.

However, you play a part. Your effort as a member is needed to present the advantages to advertisers. Businesses and professionals can reach our circulation of over 300 in Greater Boston. Show your copy of this newsletter to businesses that should be looking for our kind of readers. For more information, contact Paul Carter at pvc@tiac.net, or Treasurer Jim Clogher via the club PO box.

Your Ad Could Have Been Here

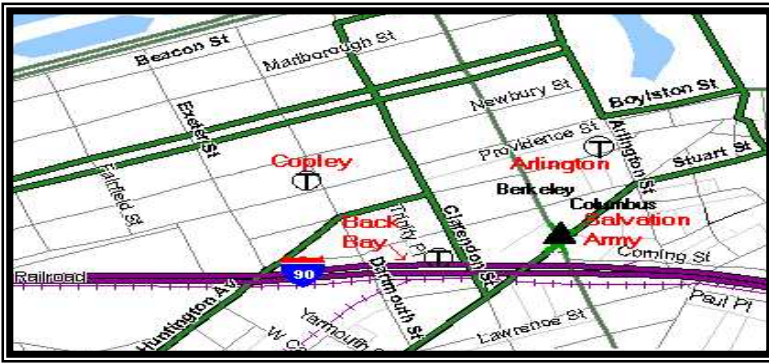
Are you a depressed BARC member because you have a treasure you must turn to cash and you couldn't make it to the last flea market? Well, cheer up, Bunky! The SPARC will run your (non-business) ad for free. Of course, a 10% donation if you sell it (and of course you will) will be cheerfully accepted. Just send your ad to Editor Paul Carter, N1TMF.

Why do scientists call it research when looking for something new?

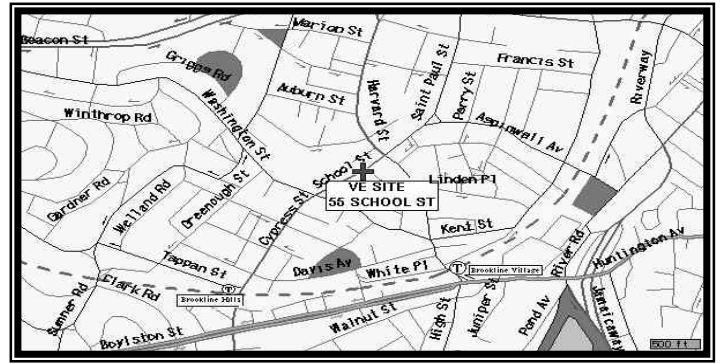
Tell a man that there are 400 billion stars and he'll believe you. Tell him a bench has wet paint and he has to touch it.

Why is it that lemon juice contains mostly artificial ingredients but dishwashing liquid contains real lemons?

If vegetarians eat vegetables, what do humanitarians eat?



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



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

BARC Officers and Staff

President: Ed Hennessy, N1PBA;	781.391.8257; n1pba@qsl.net; N1PBA@KA1TUZ
Vice President: Dick Doherty, KA1TUZ	617.969.4880; ka1tuz@gis.net; KA1TUZ@KA1TUZ
Secretary: Mike Ardai, N1IST;	617.738.8652; n1ist@netcom.com; N1IST@K1UGM
Treasurer: Jim Clogher, N1ICN,	617.364.4658; n1icn@gis.net; N1ICN@KA1TUZ
Vol Exams: Bob Wondolowski, N1KDA;	508.865.5822, wondobob@juno.com
Membership: Arthur Ashley, N1NHZ;	617.661.2988, arthura@ix.netcom.com
Patricia Allen, KE1GD;	barcmember@aol.com; KE1GD@K1UGM
Public Service: Bob Salow, WA1IDA;	508.650.9440; walida@arrl.net
Newsletter Editor: Paul Carter, N1TMF;	617 232 6982; pvc@tiac.net

The Boston Amateur Radio Club is a non-commercial association of persons interested in the Amateur Radio Service. The Club is organized for the promotion of interest in Amateur Radio communication and education, for the establishment of emergency communications in the event of disasters or other emergencies, for the advancement of the radio art and the public welfare, for the representation of the radio amateur in legislative and regulatory matters, and for the maintenance of collegiality and a high standard of conduct.

The Club is open to all persons interested in Amateur Radio without regard to race, color, religion, creed, national origin, gender, disability, or sexual preference. Our General and Business meeting locations are handicap accessible. Other meeting and activity locations may be handicap accessible by arrangement.

The Club is an ARRL-affiliated Special Service Club, and is a member of the Council of Eastern Massachusetts Amateur Radio Clubs (CEMARC) and the New England Spectrum Management Council (NESMC). The Club is a participant in Partnerships Advancing Technical Hobbies Which Attract Youth to Science (PATHWAYS). The Club is also an associate member of the Courage Handi-Hams system.

The SPARC is published monthly by the Boston Amateur Radio Club. The design and content are Copyright 1999, 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.

Eastern Massachusetts 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 7:30pm	Cape and Islands Traffic Net (NTS)	147.045
daily 8pm	Eastern Mass 2M Traffic Net (NTS)	145.23 (PL 88.5)
daily 8pm	Slow Speed CW Net	28.160
daily 9pm	Central Mass 2M Traffic Net (NTS)	146.97
daily 10:30pm	Heavy Hitters' Traffic Net (NTS)	146.64
M 7:30pm	Cape Ann ARA	145.13 (PL 107.2)
M 8:30pm	Falmouth Amateur Radio Association Monday Net	146.655
M 9pm	BARC Club Net	145.23 (PL 88.5)
Tu 7:30pm	Genesis Amateur Radio Society Plymouth MA Ragchew Net	146.685
Tu 8pm	MMRA Club Net	146.67 and all MMRA links
Tu 8pm	MARA Net with Newslite	147.18 (PL 67.0)
Tu 9pm	EMA Public Safety Net	145.23 (PL 88.5)
Tu 9pm	NETARC Satellite Net WIME (ex K1MON)/NCS	446.575 (PL 88.5)
W 8pm	CW Practice Net	145.41 (PL 74.4)
W 8pm	Wellesley Amateur Radio Society Net	147.03
W 9pm	HHTN Swap Net	146.64
Th 8:30pm	Amsat Net N1OHJ/NCS	146.64
Th 8:30pm	Falmouth Amateur Radio Association Thursday Net	444.250
F 9pm	SATERN Net	145.23 (PL 88.5)
Sa 8pm	South Shore Skywarn Net	147.18 (PL 67.0)
Su 9:30am	Yankee SSB Net (6M)	50.275
Su 3:30pm	Youth Net	3.970
Su 7pm	Algonquin Amateur Radio Club Net	53.470 (PL 100.0/71.9), 223.860 (PL 241.8), 446.675 (PL 88.5)
Su 8:30pm	NSRA Net (with Newslite)	145.47