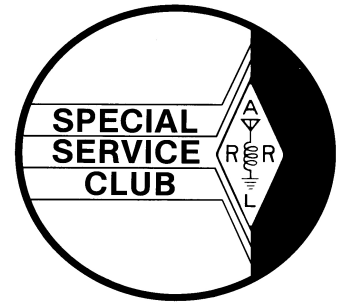




The SPARC

Volume XII, Number 7; July 2000
Newsletter of the Boston Amateur Radio Club
<http://www.barc.org/barc>
Email: w1bos@arrl.net



BARC Elects Club Officers

BARC held elections for all club offices at the last General Meeting on June 15, 2000. Mark Duff, KB1EKN was elected President; Dick Doherty, KA1TUZ was reelected Vice-President; Guy Bzibziak, KB1CRY was elected Secretary and Jim Clogher, N1ICN was reelected Treasurer.

We would like to congratulate our new officers and thank them for offering to serve the club. We also thank our outgoing President, Ed Hennessey, N1PBA, and our outgoing Secretary, Mike Ardai, N1IST for their contributions the last year.

We're sure that everyone will give our officers the help they will need in keeping BARC going the next year.

Hurricane Awareness Workshop

Dangerous waves, high tides, extreme winds and violent rains. Sound familiar? It's hurricane season once again, and everyone should be aware of the measures to take to prepare for this hurricane season. Attend this workshop and learn the difference between storm watches and warnings. Learn how to protect your family and your property.

The workshop will be held on Tuesday, 18 July from 1900 to 2100. The location will be at Cape Cod Community College in Hyannis in the Tilden Arts Building. If you drive, parking lots #1 and #2 are recommended. For more information, call MEMA Area 2 at 508.697.3600.

The Massachusetts Emergency Management Agency (MEMA), the National Weather Service (NWS), and the Commonwealth Electric Company sponsor this Hurricane Awareness Workshop.

EMA ARES Online

Online information for Eastern Massachusetts ARES can now be found on the Internet at www.emaares.com.

ARRL New England Division Convention - Boxboro

Please set aside the weekend of August 26-27 for the ARRL New England Division Convention in Boxborough, MA, at the Holiday Inn Conference Center (exit 28 off of I-495). This is a big event

with a full schedule of interesting talks and presentations, flea market, lots of vendors, and a big crowd of people from all over the northeastern USA.

This year's events feature presentations by FCC's Riley Hollingsworth, K4ZDH, and new ARRL President Jim Haynie, W5JBP.

Watch the Boxboro web site for more details

<http://www.boxboro.org/>

FCC's Hatfield Tells Hams To "Walk The Walk"

The FCC's Dale Hatfield, W0IFO, predicts a bright future for Amateur Radio. But the Office of Engineering and Technology chief says that amateurs "will be under a certain amount of pressure" to justify their free use of the radio spectrum. As a result, he said, it will be more important than ever that hams actually fulfill their service, good will and educational roles - not just talk about them.

Hatfield offered his observations as keynote speaker for AMRAD's 25th anniversary dinner June 17 in Virginia. Hatfield told the gathering, "The key issue for the amateur service is maintaining access to an adequate amount of spectrum." While emphasizing that he was not suggesting any immediate threat, Hatfield said hams would have to do a better job of justifying their current allocations.

Hatfield said hams should actually engage in experimentation to advance the state-of-the-art, provide communication and train operators for emergencies, encourage international cooperation and good will, and offer an important technical educational outlet. "Or, to use a bit of slang, it seems to me that it will be even more important for all segments of the amateur community to 'walk the walk' not just 'talk the talk'," he said.

Hatfield encouraged his audience to explore advanced techniques that conserve spectrum, especially digital techniques. As the rest of the telecommunications world transitions to digital techniques, Hatfield said, "the amateur service will look antiquated if it is not making progress in that direction as well." Hatfield also said software defined radios could facilitate "a new era of amateur experimentation" and, in many ways, represent "a final merger" of radio communications and computers.

The text of Hatfield's prepared remarks is available on the FCC Web site at

<http://www.fcc.gov/Speeches/misc/dnh061700.html>

From the ARRL Letter, 30 June 2000

Louis Varney, G5RV SK

The inventor of the world-famous G5RV antenna, Louis Varney, G5RV, died on June 28. He was 89.

The G5RV multiband wire antenna for HF is among the most popular of all antenna designs. Varney first described the G5RV in the November 1966 issue of the RSGB Bulletin. He employed a full-size and a double-size G5RV, both fed with open-wire feeders, at his own station.

Varney remained an active radio amateur until very recently and kept regular on-the-air schedules. He was an RSGB member for 74 years and served as life president of the Mid-Sussex Amateur Radio Society.

ARRL Bulletin ARLX010

BARC Monthly Breakfast

Every month, BARC has a social breakfast on the second Sunday of the month, which is August 13 next 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, and then turn right onto Arsenal St. There is plenty of mall parking. The #70 T bus from Central Square Cambridge to Watertown Square stops right at the Watertown Mall. Hope to see all of you there – and bring your appetite!

New And Old Hams Join ARRL

It's time to join the ARRL, the National Organization for Amateur Radio. Spectrum protection, legal support, technical help, international representation, and *QST* are only a few of the benefits. Restructuring has encouraged a rush of new hams, and we want you on the inside.

The vast majority of BARC members are ARRL members. Whether you are joining ARRL for the first time, or are renewing,

please sign up through BARC. In either case, **make your check out to BARC** and give it and the ARRL membership form to the BARC Treasurer. He will handle the rest, and you will get all the benefits.

Badge, Anyone?

As all members should know, BARC provides a call sign identification badge for all licensed members at no charge. Upon joining the club the badges are eagerly awaited. OK, so why are badges lying around with no ham to pin them on? The answer is simple, but the reasons may not be.

The badges are made in batches, so a new member may experience a wait of a few weeks or months (depending on the production cycle). The accumulated badges are then brought to club meetings for distribution. *You must attend a meeting to get your badge!* It's not much of an inducement, but besides, you will find the meetings informative, fun and a helpful exchange between you and the other members. Mailing badges is cost prohibitive, so now you know how to get yours.

If you change your call sign, or otherwise have a change for your badge, tell the Keeper of the Database, WA1IDA, and a new badge will be ordered.

Need The History Of Your License?

Those electing to contact FCC archives contractor, ITS Inc., to document having held an amateur license in the past are advised to telephone ITS instead of e-mailing. For a fee, ITS will research prior licensing records and should be able to provide you with the necessary documentary proof.

Call ITS at 717.337.1433 to place an order (e.g., for verification of a pre-March 21, 1987, amateur license). The verification letter you receive will be on FCC stationery and stamped with the FCC seal. The ITS Web site is <http://www.itsdocs.com>. Credit card orders are welcome.

July General Meeting

This month's general meeting will be held at the Boston Back Bay Salvation Army Building, at 7:30 PM, Thursday July 20. This month, Tom Kinahan N1CPE and Ian MacLennan AF1R will be talking on Amateur slow scan TV (and perhaps fast scan TV.)

BARC General meetings are held at the Boston Back Bay Salvation Army Building, corner of Berkeley St. and Columbus Ave. near Copley Square, in the second floor auditorium.

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 busway and walk down Columbus) and Copley or Arlington on the Green line (use

the Berkeley Street exit). A map appears on page 7 of the newsletter.

Future General Meeting Dates

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

17 August 2000
21 September 2000
19 October 2000
16 November 2000
21 December 2000 (Holiday Dinner)
18 January 2001

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 nlist@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](ftp://ftp.barc.org) under [pub/hamradio](ftp://ftp.barc.org/pub/hamradio). We've got a mirror of the ARRL infoservert, 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@qth.net 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
nlist@netcom.com

Useful Places on the ARRL Web

The ARRL Regulatory Information Branch (RIB) just put up a new RFI package at:
<http://www.arrl.org/field/regulations/rfi-legal/>

Information on FCC's license restructuring, along with options for upgrading can be found at:
<http://www.arrl.org/news/restructuring/>

The new license question pools for use on or after 15 April are located here:

<http://www.arrl.org/arrlvec/pools.html>

Watch the ARRL web site and the *ARRL Letter* for information on the new certification program.

Make sure to check out the "What's New" section every time you visit the ARRL web site to catch the most recently added items:

<http://www.arrl.org/whatsnew/>

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

Minutes of the Boston Amateur Radio Club Business Meeting

July 6, 2000

Recorded by Michael Ar dai, N1IST, BARC Secretary

Present were:

Mike Ar dai	N1IST	Secretary
Arthur Ashley	N1NHZ	Membership Services, ERT leader
Bob Cassell	N1ENS.	
Jim Clogher	N1ICN	Treasurer
Mike Coffey	KB1EZL	Field Day chair
Dick Doherty	KA1TUZ	Vice President
Mark Duff	KB1EKN	President Elect
Mike Kass	N1YER.	
Bill Ricker	N1VUX.	
Bob Salow	WA1IDA	Public Service
Phil Temples	K9HI.	

The meeting was called to order at approximately 1830

Upcoming meeting topics: July - ATV, August - ARES, September - ARRL Update

The BARC web page will be back shortly

Field Day - 44 CW contacts, 289 Phone

We will try to schedule a tour of WGBH before the Ice Cream Fest on 9/9. We will also set up a booth for Ham Awareness Day at the event for both days. BARC members and their families may be able to get in free to the Ice Cream Fest.

There will be a hurricane awareness workshop on 7/18 in Hyannis

We need to make up some permanent displays for use in PR events

This year's MEMA Public Safety Fair will be at City Hall Plaza in October.

There will be an NWS Weather presentation in Needham on 10/20 - 10/21

There was much discussion on whether we should run an additional club net during the week, possibly at 19:00. Also, what can we do to revive the SATERN net? Any ideas? Please contact KB1EKN or KA1TUZ

We need periodic announcements on BARC net and the SPARC to recruit VEs. Also to remind people to renew (or start) their ARRL membership thru the club since we get \$2 - \$5 of each that way.

The meeting was adjourned at approximately 2022

A Field Day post-mortem followed the meeting

The Boston Amateur Radio Club holds its monthly Business meeting on the first Thursday of each month. The next one will be on Thursday, August 3 in the food court of the Cambridge 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 Thursday at 6:30 p.m.)

7 September 2000
5 October 2000
2 November 2000
7 December 2000
4 January 2001

Upgrades 'R' Us

Without going into details, which are covered elsewhere, the FCC restructuring is likely to result in license upgrades for some of us. If you are one of the lucky (clever?) ones, please keep our database up to date. *Regardless of whether you change call sign, an upgrade is an upgrade.* Please notify the Keeper of the Database, Bob Salow, WA1IDA.

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.

Frank Baker	N1ALF	Upgrade to Extra, New Call W1IB
Paul Carter	N1TMF	Upgrade to Extra
Jim Clogher	N1ICN	Upgrade to Extra
Rick DeSisto	N1IWE	Upgrade to Extra

Marty Schofield N1WCP

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.

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, August 14 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 then turn left. The Pierce School is on the left. The #66 bus runs on Harvard Street, crossing School Street.

Talk in on 145.23(-), PL 88.5.

We give all exams (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)
- \$6.65 (good for all the tests you take at that session, except for retests). Novice exams are free. *Novice exams will not be given after this month's session.*

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)

11 September 2000
9 October 2000 (Yom Kippur)
13 November 2000
11 December 2000
8 January 2001

I See the Future

15 July	NE Antique RC (Nashua NH)
16 July	MIT Flea
20 July	BARC General Meeting
3 Aug	BARC Business Meeting
13 Aug	BARC Breakfast
13 Aug	Mohawk ARC Flea (Orange)
14 Aug	BARC VE Session
17 Aug	BARC General Meeting
20 Aug	MIT Flea
20 Aug	NoBARC Flea (Adams)
26-27 Aug	ARRL NE Div Conv (Boxboro)
7 Sept	BARC Business Meeting
9 Sept	Technical Tour of WGBH
9-10 Sept	WGBH Ice Cream FunFest
10 Sept	SEMARA Flea (S Dartmouth)
16 Sept	RI FMRS Flea (Forestdale RI)
17 Sept	MIT Flea
24 Sept	Jimmy Fund Marathon Walk (Rp)
6-7 Oct	Hoss Traders Flea (Rochester NH)
8 Oct	Chancellor Challenge 100K Race (Rp)
15 Oct	MIT Flea
4 Nov	Interstate RC Flea (Londonderry NH)
5 Nov	Framingham ARA Flea
18 Nov	Waltham ARA/1200RC Auction (Newton)

(Rp) = 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 PBBSs regularly. If needed, contact any club member who has access to these.

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 Ar dai N1IST.

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

73 Dick
rcdoherty@gis.net

FCC Says "No" to SSB, Digital Modes in VHF CW Subbands

The FCC has turned down a request asking it to permit SSB and digital modes in the 6 and 2-meter CW-only subbands. The petition, filed last August by the California Six Meter Club, was assigned rulemaking number RM-9806 by the FCC.

The CSMC said it requested the additional emission types because its survey of weak-signal operations indicated that the segments were hardly used. The club said most DX and weak signal work took place on frequencies above the CW subbands.

In denying the request, the FCC said it did not believe the requested revisions were necessary or had support of the amateur community. The FCC concluded that authorizing additional emission types in the 6-meter and 2-meter CW subbands "could have an adverse impact on the operating activities of other licensees."

Additionally, the FCC said, CSMC did not show that any improvement in communications capabilities would result if the 100 kHz of spectrum was opened up for other emission types, which the FCC said were "adequately accommodated" under present rules.

The FCC said it was "not persuaded that there is a lack of spectrum in the 6 and 2-meter amateur service bands for transmission of data and phone emission types" and concluded that any changes to the rules were unnecessary.

The FCC action was released June 28.

Tentative Phase 3D Launch Date Reset

The Phase 3D Amateur Radio satellite will not launch until September at the earliest. Under the latest tentative Arianespace launch schedule, P3D now could go up on the Ariane Flight 507 as early as mid-September, but the launch could be as late as the end of October.

Arianespace recently announced a resumption of Ariane flights. Flight 507 had been on the schedule to go into space in July, but concerns over potentially defective thrusters had caused some major customers to delay flight preparations. AMSAT-NA President Keith Baker, KB1SF, called the Arianespace announcement "very good news" for the Phase 3D program.

The Phase 3D satellite is at the European Spaceport in Kourou, French Guiana, awaiting the start of its launch campaign.

Arianespace representatives met recently with Phase 3D representatives at AMSAT-DL headquarters in Marburg, Germany, to discuss preparations for the P3D launch campaign. The exact date of the Phase 3D mission's launch depends on the Ariane 506 launch, set for July, and the availability of the other satellites flying with P3D.

A launch contract accepting Phase 3D as a payload for the first suitable Ariane 5 launch vehicle was signed last October.

Space Bulletin 004 ARLS004
From ARRL Headquarters
Newington, CT June 14, 2000

LF test transmissions under way

Larry Kayser, VA3LK, in Eastern Ontario, Canada, has commenced a series of test transmissions on 137.710 kHz, with very slow CW at 0.4 WPM. The test transmissions will continue until July 30.

Kayser asks those able to copy the signal to forward signal reports to va3lk@arrl.net. VA3LK is testing equipment and processes in preparation for the TransAtlantic II attempt on LF set for November 10-27 from Newfoundland.

Contact Larry Kayser, VA3LK, va3lk@arrl.net, for more information.

Larry Kayser, VA3LK

From the ARRL Letter
Vol. 19, No. 26
July 7, 2000

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

The SPARC accepts commercial advertisements. BARC encourages monthly promotion of your products and services which would be of interest to our hundreds of members and others interested in the Amateur Radio Service.

Rates for display advertising are:

1 col x 2 in. (business card)	\$10 per issue
1 col x 2 in. (business card)	\$50 per 6 consecutive months
1 col x 2 in. (business card)	\$90 per 12 consecutive months
1 col x 4 in. (1/2 col)	\$20 per issue
1 col x 9.5 in. (full col)	\$40 per issue

Originals of ads must be presented to the Editor in MS Word or .jpg format to print 1:1. Other composition will be at extra cost. We will be glad to quote other ad sizes and durations.

Members are urged to seek prospective advertisers who are appropriate to our readers.

For additional information, contact Paul Carter at n1tmf@pvetronics.com or 617.232.6982; or Bob Salow at wa1ida@arrl.net or 508.650.9440.

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.

If you think nobody cares if you're alive, try missing a couple of car payments.

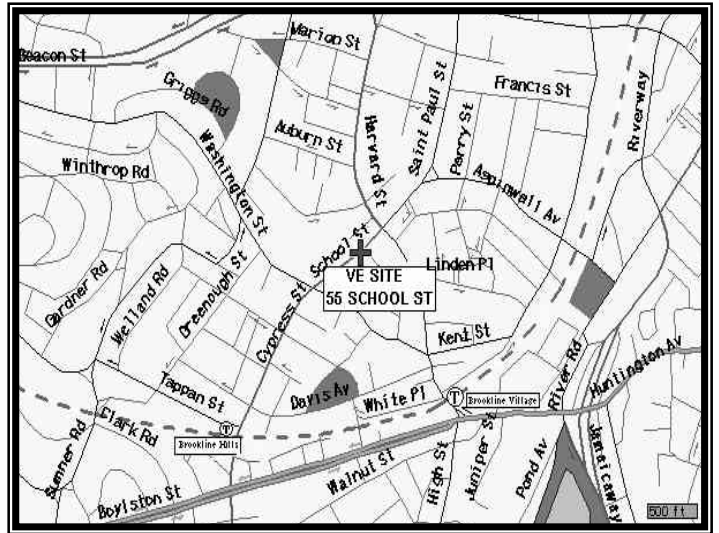
If you lend someone \$20 and never see that person again, it was probably worth it.

Before you criticize someone, you should walk a mile in their shoes. That way, when you criticize them, you're a mile away and you have their shoes.

Give a man a fish and he will eat for a day. Teach him how to fish, and he will sit in a boat and drink beer all day.



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: Mark Duff, KB1EKN	781.749.7664; emgmt@mediaone.net
Vice President: Dick Doherty; KA1TUZ	617.969.4880; ka1tuz@gis.net
Secretary: Guy Bzibziak, KB1CRY;	781.321.1104; kb1cry@arrl.net
Treasurer: Jim Clogher, N1ICN,	617.364.4658; n1icn@gis.net
Vol Exams: Bob Wondolowski, N1KDA;	508.865.5822, wondobob@juno.com
Membership: Arthur Ashley, N1NHZ;	617.661.2988, n1nhz@arrl.net
Public Service: Bob Salow, WA1IDA;	508.650.9440; walida@arrl.net
Newsletter Editor: Paul Carter, N1TMF;	617.232.6982; n1tmf@pvctronics.com

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 5:30pm	Eastern Mass/Rhode Island Phone Net (NTS)	3.915
daily 7 and 10pm	Eastern Mass/Rhode Island CW Net (NTS)	3.658
daily 8pm	Eastern Mass 2M Traffic Net (NTS)	145.23 (PL 88.5)
daily 8pm	Slow Speed CW Net	28.160
daily 10:30pm	Heavy Hitters' Traffic Net (NTS)	146.64
M 9pm	BARC Club Net	145.23 (PL 88.5)
Tu 8pm	MMRA Club Net	146.61 and all MMRA links
Tu 9pm	EMA Public Safety Net	145.23 (PL 88.5)
Tu 9pm	NETARC Satellite Net W1ME (ex K1MON)/NCS	446.575 (PL 88.5)
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
F 9pm	SATERN Net	145.23 (PL 88.5)
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 Newline)	145.47
Su 9:30pm	EMA Section ARES Net	146.61 and all MMRA links
(4 th Sun. of Month)		