

# Algonquin Amateur Radio Club

Founded 1976



## QRZ – The Newsletter for AARC members

[www.n1em.org](http://www.n1em.org)

April 2009

### Meetings!

**General club meeting:** The next AARC meeting is scheduled for May 14th at 7:30 pm. The meeting will be in the library of the Marlborough Middle School on Thresher Drive. Topics for next month's meeting include:

- Club General Elections
- Final Preparations for Hazmat Day
- Final Preparations for School Watch
- Club Project Night

**MEMA:** The next MEMA meeting is scheduled for April 21st at 6:00 pm in the Marlborough E.O.C. This meeting will feature a first aid course from 6pm to 9:30pm. More MEMA information is available through the clubs web page link at [www.n1em.org](http://www.n1em.org)

### April's meeting speaker!

Dennis Egan W1UE gave a presentation on contesting. Dennis holds multiple awards in amateur radio contesting and provided a presentation about the basics of contesting. The talk covered different contest modes and strategies and Dennis highlighted his presentation with a couple of recordings of actual contest audio. His last portion of his talk was a demonstration of the N1MM logger software integrated with his Elecraft K3 rig.  
[de, KA1OS]

### Club News

#### Club Elections

Be sure to come to May's club meeting and cast your vote for the AARC elections for the 2009-2010 year.

#### Hazmat Day

The city of Marlborough will be holding their Hazmat Day on Saturday May 16<sup>th</sup> starting at 8:00am. It will be held at the Easterly Treatment Plant volunteers needed.

### School Watch

The dates are in for school watch and we will need volunteers. The first weekend will be May 22<sup>nd</sup>, 23<sup>rd</sup>, 24<sup>th</sup>, and 25<sup>th</sup>. The second weekend will be May 29<sup>th</sup>, 30<sup>th</sup>, and 31<sup>st</sup>. The third weekend will be June 5<sup>th</sup>, and 6<sup>th</sup>. There will be a message sent out on the AARC list in a week or so. So please if you can spare an evening or more sign up and help protect the High School.

### Regional flea markets

April 18<sup>th</sup> Rason Auction 2009 Ledyard, CT.

April 19<sup>th</sup> Flea@MIT

May 1<sup>st</sup>&2<sup>nd</sup> Near-Fest Deerfield, NH

### On the horizon...

Up coming club activities and events:

June 11 Club Project Night @ BRC

June 27&28 Field Day

### Ham radio news

**The FCC Proposes to Allocate 20 MHz of Spectrum in 413-457 MHz Band For Implanted Neuromuscular Devices.**

The FCC has released a Notice of Proposed Rulemaking (NPRM-ET Docket 09-36) seeking comment on a proposal to allocate 20 MHz of spectrum in the 413-457 MHz band for use by wireless medical devices that could be implanted into the human body and used to restore sensation and mobility to paralyzed limbs and organs. The devices would act as a wireless medical micro-power network (MMN) within the patient. Among the conditions that could be treatable using MMNs include polio, ALS (Lou Gehrig's disease), cerebral palsy, and spinal cord injuries.

The 400 MHz band is targeted because it is optimal for RF propagation through body tissue. The devices would require at least 5 MHz of bandwidth to function and would operate on a low power, secondary non-interference basis. Twenty MHz of spectrum in four band segments are proposed so that the device would have four options in case one band segment was already in use in a given area. The NPRM seeks comment on the feasibility of four different band segments 413-419 MHz, 426-432 MHz, 438-444 MHz, and 451-457 MHz. Comment is also sought on potential for interference between MMN's and incumbent users. Service rules (licensed or unlicensed, definitions, permissible communications, eligibility, etc). Technical rules (power limitations, bandwidth, frequency stability, channelization, antenna locations, etc).

[Article from QRZ]

### Elmer's Corner

I am currently studying for my General License and I had a couple questions I hope to get answered by club members.

1<sup>st</sup> question is how does a resistor work?

2<sup>nd</sup> question is how does a rectifier work?

I am not very technical with electronics yet, I hope to gain enough knowledge over time to be able to repair equipment myself.

[de, W1KBA]

## New England QSO Party

May 2-3, 2009 - New England QSO Party:

The 2009 NEQSO party is on for early May and will even coincide with NEAR-fest. Information is available at: [www.neqp.org](http://www.neqp.org)

The rules are (courtesy [www.neqp.org/rules.html](http://www.neqp.org/rules.html)):

Object: To contact as many New England stations (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont) in as many New England counties as possible on 80-40-20-15-10m. (New England stations work anyone)

Date: First full weekend of May (May 3-4, 2008 and May 2-3, 2009).

Contest Period: 2000Z Saturday until 0500Z Sunday (4pm EDT Saturday until 1am EDT Sunday) and 1300Z Sunday until 2400Z Sunday (9am EDT Sunday until 8pm EDT Sunday).

Categories: Single-operator high power, low power(150w or less) and QRP(5w or less) categories, plus multi-operator, single transmitter. Same four categories for mobiles. Single-operator stations using assistance during the contest (packet or Internet spotting nets, etc.) will compete in the multi-single category.

Contest Exchange: Send signal report and state/province (DX stations send signal report and "DX"). New England stations send signal report, county and state.

Valid Contact: Work New England stations once per band/mode. New England stations work anyone(and must copy the county for New England stations worked. CW contacts must not be made in the phone band segments. Mobiles that change counties are considered to be new stations, and can be worked for both multiplier and QSO Point credit. County line QSOs should be logged as two separate QSOs.

Crossmode, crossband and repeater QSOs are not permitted.

QSO Points: Count one point per phone QSO, two points per CW (includes digital modes)QSO.

Multiplier: Stations outside of New England use counties as multipliers for a total of 67 (CT/8 MA/14 ME/16 NH/10 RI/5 VT/14). New England stations use states(50)(Count DC as MD), Canadian provinces(14) and DXCC countries as multipliers.

Scoring: Total score is QSO points times the multiplier. Mobiles count QSO points per county and multipliers from all counties (counted once).

Suggested frequencies: CW - 3540 7035 14040 21040 28040, SSB - 3850 7280 14280 21380 28380

Reporting: Logs should indicate times in UTC, bands, modes, calls and complete exchange. All stations put your club's name on the summary sheet. Entries must be submitted within 30 days and sent to NEQP, P. O. Box 3005, Framingham MA 01705-3005 or via e-mail to [logs@neqp.org](mailto:logs@neqp.org) (Cabrillo format preferred).

Awards: Certificates will be awarded to the top scorers (25 QSO

minimum) in each New England county, U.S. state, Canadian province and DXCC country. A number of special plaques will also be awarded to top scorers (check the Web site for a current list).

More information: The New England QSO Party Web site is at <http://www.neqp.org>. Check there for information on planned fixed-station and mobile activity from New England counties, contest software information, county abbreviations, plaques to be awarded and information on New England state county awards. NEQP results will be posted on the web site when they are complete. Questions can be addressed to [info@neqp.org](mailto:info@neqp.org).

## Special Events

**Apr 4, 1700Z-2100Z**, Saint Joseph, MO. Missouri Valley Amateur Radio Club, W0P. Start of the Pony Express. 28.400 14.250 7.250 3.900. Certificate. Brad Cawley, 6013 N 22nd Street Ter, Saint Joseph, MO 64505. [w0nh@w0nh.com](mailto:w0nh@w0nh.com) or [www.w0nh.com](http://www.w0nh.com)

**Apr 10-Apr 11, 1330Z-2100Z**, Indian Orchard, MA. Titanic Historical Society, W1MGY. 97<sup>th</sup> Anniversary of the Titanic voyage. 14.260 14.033 7.260 7.033. QSL. Titanic Historical Society QSL, PO Box 51053, 208 Main St, Indian Orchard, MA 01151-0053. [www.hcra.org/titanic.htm](http://www.hcra.org/titanic.htm)

**Apr 18-Apr 19, 1600Z-1800Z**, Carlisle, MA. Police Amateur Radio Team, K1P. Patriots' Day in Massachusetts. 80 m thru 10 m. QSL. K1P/2009, PO Box 503, Westford, MA 01886. [kb1oiq@arrl.net](mailto:kb1oiq@arrl.net)

**Apr 24-Apr 25, 1200Z-0000Z**, Springfield, IL. Sangamon Valley Radio Club, N9L. Boy Scouts of America Lincoln Trail Hike. SSB 14.225 7.225 CW 14.030 7.030. QSL. SVRC c/o American Red Cross, Illinois Capital Area Chapter, 1045 Outer Park Dr, Springfield, IL 62704-4408. [www.svrc.org](http://www.svrc.org)

**Apr 30-May 14, 1909Z-2009Z**, Cambridge, MA. MIT Radio Society, W1MX/100. 100<sup>th</sup> Anniversary of MIT Radio Society. 14.275 7.275 7.045 3.530. QSL. MIT Radio Society, 77 Massachusetts Ave, Room 50-358, Cambridge, MA 02139. [web.mit.edu/w1mx/www](http://web.mit.edu/w1mx/www)

**May 2-May 3, 1200Z-1600Z**, Northfield, MA. 72 Rag Chew Group, K1R. Celebrate the 5<sup>th</sup> Anniversary of the 72 Rag Chew Group. 7.272. Certificate. Russell Newton, K1LRB, 363 S Mountain Rd, Northfield, MA 01360. *Saturday 1200Z to 1830Z and Sunday 1300Z to 1600Z.* [www.ragchewers.net](http://www.ragchewers.net)

**May 15-May 17, 1300Z-1700Z**, Dayton, OH. Dayton Amateur Radio Association, W1AW/8. Dayton Hamvention and ARRL National Convention. 147.55 28.470 25.050 14.270 14.050 7.227 7.050. QSL. ARRL - W1AW, Joe Carcia, NJ1Q, 225 Main St, Newington, CT 06111-1494. [www.hamvention.org](http://www.hamvention.org)

### Algonquin Radio Club - P.O. Box 258, Marlborough MA 01752

The Algonquin Amateur Radio Club (AARC) holds meetings on the second Thursday of each month. Meetings are open to all in the community with an interest in Amateur Radio. For directions, contact a club officer or visit our web site at [www.n1em.org](http://www.n1em.org). Meeting times are listed in this newsletter. The AARC also operates the N1EM repeater on 446.675 MHz, -offset, PL 88.5 Hz. This machine is open to all licensed amateur operators. An informal open net on this repeater is conducted Sundays at 8:30 PM.

We publish QRZ monthly from September through June. The deadline for submissions is the 25<sup>th</sup> of the preceding month. Text files are preferred and can be mailed to [newsletter@n1em.org](mailto:newsletter@n1em.org). For further information about QRZ and the AARC please send inquiries to the address listed above.

#### Current club officers

President	Tim Ikeda (KA1OS)
Vice President	Ron Wood (W1PLW)
Treasurer	Frank McInnis (K1IX)
Secretary	Ann Weldon (KA1PON)
Newsletter	Brian Boda (W1KBA)