



# PROSPECT HILL INTERMOD

THE OFFICIAL NEWSLETTER OF THE WALTHAM AMATEUR RADIO ASSOCIATION  
& THE HEAVY HITTERS

[www.wara64.org](http://www.wara64.org)

SPRING 2015

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## PRESIDENT'S DESK

*John Flood, KB1FQG*

Greetings!

Aside from Kenny, KA1OXQ who loves any amount of snow, I'm sure we are all happy to see it gone! As well I hope by now everyone has repaired any winter damage to your aerial systems and are having fun chasing DX, contest contacts, or whatever radio activities you enjoy.

Thanks go out to Glenn KB1SMN for again organizing field day this year. Details are included within this newsletter. One important thing to note is that as something new this year, we have moved our summer cookout from the last Wednesday in June, to the Saturday of field day between 2PM and 6PM! It's only three days later and we hope that this will encourage some of you to check out and perhaps operate the field day station, or perhaps allow others who have issues with workdays, to attend. Please feel free to bring your favorite food or drink (nonalcoholic) to share.

We had some interesting guest speakers this winter. Bill Barber on DRM radio, George Maier on the history of SSB, and I did one on putting together a "72 hour kit" for emergency preparedness. For the fall Howard WA1CFX has agreed to speak on his experience and predictions for the future of ham radio and emergency management. Also I hope to have the ARRL section manager back and would

like him to consider becoming an annual speaker. As always, if you have something to present or a new toy to show off, please let me know! Speakers get a free dinner at our meeting before the meeting at Uno's in Waltham!

Something else new for us! We have a table at Boxboro, the New England ARRL convention and flea Aug 21-23 Boxboro - The ARRL New England Convention we will promote WARA and offer a small prize drawing for new members or renewal memberships. We will need some volunteers to do booth duty for one or two hour shifts. The nice part of that is that you will be inside in the air conditioned hotel! I'll send out formal requests later in the summer.

*Boxboro - The ARRL New England Convention Friday Evening DXCC Dinner with Keynote Speaker Jeff Jolie, Jeff is an active DX'er who operates from Caribbean island of Saba. View on [www.boxboro.org](http://www.boxboro.org)*

We have had several new members since our last newsletter! Welcome to all of you and I would suggest that you and for that matter, all members consider becoming more active in the club. Elections for club officers are coming up, most likely in December. New Blood is often a good thing for a club and I love seeing the meeting attendance and membership grow!

## N1FEV, WARA 2M REGULAR

*Eliot Mayer, W1MJ*

Sal Arria, N1FEV, is a regular on the WARA 2M repeater, especially while driving to his job in Winchester. He got his proverbial "15 minutes of fame" by way of a May 1st article in the local newspaper in Winchester, where he works as a barber. Sal's friend Ken, mentioned

in the article, is WI1B. PHI thanks reporter Bram Berkowitz and The Winchester Star (AKA winchester.wickedlocal.com) for allowing us to reprint this article.

## WINCHESTER HAM RADIO OPERATORS LOVE TO MAKE CONTACT

*Bram Berkowitz, Wickedlocal.com*



*Sal Arria, a barber at Marco's Barber Shop in Winchester, is also a ham radio operator. He used a shorter range VM/UHF radio, with the call sign of N1FEV, in the shop Tuesday morning, April 28, 2015. One, a higher frequency, with worldwide coverage, is on the counter to the left. Wicked Local Staff Photo/Ann Ringwood*

### WINCHESTER

Ken Veznaian was messing around on his ham radio one day in 1976 when he was startled by a piercingly loud buzz. It turned out that the signal, which was from another ham radio user trying to make contact, had come from no more than a few streets away from his home in Medford.

At the other end of the radio was Sal Arria, better known these days as Sal the Barber of Marco's Barber Shoppe on Winchester Terrace. The initial contact started a nearly 40-year friendship between Veznaian and Arria, who are bonded by their passion for ham, or amateur, radios.

Ham radio is a hobby in which licensed amateurs use radio frequencies to talk to new people, experiment with wireless technology and provide emergency communication. Users must pass a test administered by the Federal Communications Commission to receive a license. There are three levels of licensing, the most advanced permitting operators to access frequency bands all over the world.

The first ham radios, as used today, were thought to have originated in the late 1800s and early 1900s, and Veznaian said there are currently 746,000 ham radio users in the United States alone. Ham radios are always used at major events like the Boston Marathon to monitor the route.

Veznaian's and Arria's meeting is one of the countless relationships ham radios have fostered, they said.

"We go home at night and talk to people all over the world," said Arria.

Veznaian and Arria have spoken to people across the United States, in the Middle East, Northern Ireland, Columbia, Brazil and many more spots on the globe.

Arria said he once talked to astronaut Shannon Lucid while she was in space. Veznaian said he recently spoke with a scientist in Antarctica. Although Veznaian talked about the excitement of communicating with people 9,000 to 10,000 miles away, he said conversation does not always go as one might expect. While operators might hunger for information about living in a foreign land, an oppressed nation or a fascinating culture, conversation is mostly limited to small talk about work and family.

When speaking to new people, both Arria and Veznaian said they never talk politics.



“We keep it cordial,” said Veznaian. “There is a certain international camaraderie. We all love talking to each other.”

According to Veznaian, an interest in communications and technology is where most ham radio users find a commonality in their conversations. In fact, Arria and Veznaian have seen their lifelong fascination with communication and technology progress from playing with hand radios as children to their professional careers. Veznaian worked as a network engineer, while Arria is still a professional broadcaster playing his favorite Beatles and Rolling Stones songs on WMEX, a New Hampshire radio station.

As technology has progressed, ham radios have advanced as well. While using Morse code was popular when Veznaian and Arria were younger, Veznaian now has the option to connect a radio transmitter to his computer, which he said uses less power during transmissions. Arria now gets confirmation card pictures when he talks to people. He also keeps an online log of his conversations.

There is even a ham radio connected to a laptop at Marco’s. Marco Sannizzaro, owner of the shop for the last five years, said it gives the barbershop an old-style feel that customers love.

While Veznaian and Arria were fervently discussing ham radios in Marco’s, a customer getting his hair cut who had been silent turned his head eagerly and said his grandfather was a ham radio enthusiast. Instantly, the three began talking as if they had known each other for years.

## **KB1UGS WORKING DX AT NEARFEST**

*Mark Bolls, K1KGG*

KB1UGS, Mike Goralski packed his tent, sleeping bag, Icom 7000, Buddipole and all the rest of his gear onboard his 1977 BMW motorcycle and headed north to Deerfield, NH this past spring, why? For the two day New England Amateur Radio Festival of course!



*Mike, KB1UGS*

Many local hams will drive up for the day to pick through all the cool radio gear and parts for sale at Near-Fest, others stay overnight. They drive their motor homes, campers, sleep in their cars, tents or even get a hotel room in nearby Manchester. But not many do it in style. Mike said he has always enjoyed camping especially when it involves Amateur Radio and Motorcycles. During his stay he attended the Buddipole session in the morning so he was eager to get on the air with his after that. He mainly worked 17 meters and made contacts with Slovenia, Croatia as well as a few others.



Mike, KB1UGS

## FIELD DAY AND COOKOUT

Glenn Shiffer, KB1SMN

Why stop a good thing? After last year's success holding field day activities at the Sunset Shelter in Prospect Park the club has decided to keep a good thing going. What could be better right? Well how's a bout combining field day with the annual club cookout! That's right. This year the Saturday field day activity will be combined with our annual June cookout. So mark the day(s) on your calendar and come on up and join us! This year promises to be just as much fun as last, building on the experiences and great time of last year, and this year adding to the mix will be using the club's own equipment which has so generously been donated.

Dates: June 27 beginning about 2:00pm for the cookout and field day activities, June 28 approximately 10:00am for the last field day.  
Location: Sunset Shelter, Prospect Park Waltham.... That is next to our repeater site atop the hill.

## MOBILE ANTENNA INSTALL

Mark Bolls, K1KGG

Drill a hole in my car? No way! Well, why not? Mag mounts will scratch your paint and coax running through the door or hatch can cause leaks not to mention unsightly cables that flutter in the wind. Sure you can do it yourself, well why not, you're a ham you say right? Stop right there! Before you decide to whip out your step bit and blast a few holes in your nice shiny car, stop and consider having a professional do the dirty work for you.



A professional two way radio installer like Northeast Two Way Radio for example has had much more experience on drilling holes in cars than your typical amateur radio hobbyist. Unless you have had experience or witnessed firsthand on the proper techniques of drilling into pristine sheet metal you may want to be sure it's done right. A few years back I actually hammed up and drilled a few NMO mounts in my dirty old work truck but for my new car, I was having second thoughts. I decided to take it over to Northeast Two Way Radio in Wilmington.



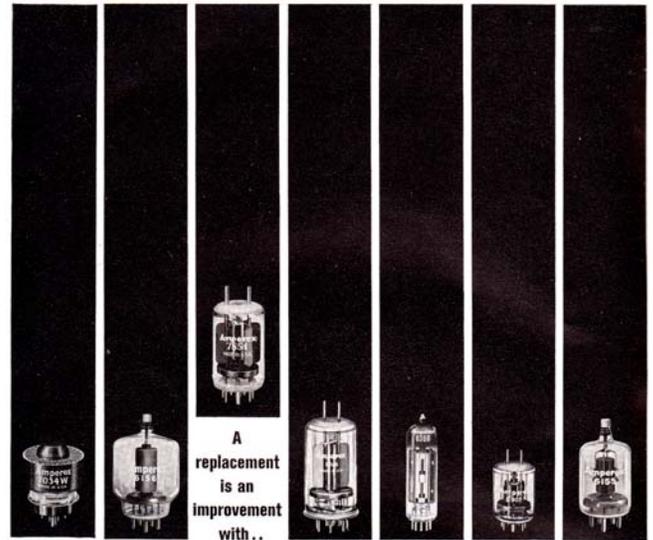
In the end I was very satisfied with how they took their time to go over several options with me and most importantly the clean install with no unsightly coax cables. I had them only install the NMO mounts, coax cable with my choice of connectors and fused power cables. This solution worked out for me since I wanted to keep costs down by installing the radios myself. Since I found Northeast Two Way Radio to be "Ham" friendly, I highly recommend them. [www.northeastradios.com](http://www.northeastradios.com)



**W.A.R.A. REPEATERS**

Input	Output	PL in	PL out	Call
6m off	6m off	6m off	6m off	off
**146.04	146.64	136.5	136.5	W1MHL
223.34	224.94	none	none	W1MHL
444.075	449.075	88.5	none	W1MHL
902.1375	927.1375	131.8	100	W1MHL

\*\*2 Meter [EchoLink](#) Node 490278  
2 Meter [Apco P25](#) NAC is 293



**Amperex® tubes**

Whether for replacement or for original equipment, communications engineers agree on the reasons they choose Amperex:

**Imaginative engineering**—the kind that pioneered tube types like the 7854 and the 5894  
**production know-how**—over 30 years developing new, improved manufacturing techniques  
**product uniformity**—each Amperex tube of the same type performs exactly alike  
**availability**—stocked by leading electronic distributors all across the country

<b>Type 7034W</b> Ruggedized glass/metal power tetrode...wide-band, class B amplifier or class C oscillator/amplifier...250 watts plate dissipation to 500 Mc...replaces all 4X150A's.	<b>Type 6156</b> Ruggedized power tetrode designed to replace the conventional 4-250A...same features as the 6155...outstanding in HF communications and amateur service.	<b>Type 7854</b> A new twin tetrode for special mobile VHF/UHF transmitter applications...50% greater plate dissipation than the 5894...heat sink or forced air cooling.	<b>Type 5894</b> A twin tetrode for wideband applications...widely accepted as a standard for 400 Mc service...up to 150 watts push-pull power input. Exceptional reliability.	<b>Type 6360</b> A small, low-cost, efficient twin tetrode...highly efficient for operation up to 200 Mc...excellent frequency multiplier for 2-meter and 220 Mc bands.	<b>Types 6252 &amp; 6807</b> Twin tetrodes with lower input and output capacitance than any other comparable type...up to 112 watts push-pull power input...a natural for 460 Mc service.	<b>Type 6155</b> Ruggedized power tetrode designed to replace the conventional 4-125A...features zirconium-coated graphite anode for high overload capacity.
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**Also available:** Type 607 Beam power tetrode...popular in existing communications equipment everywhere.  
Type 6146 Beam power tetrode...widely used in mobile, amateur and other low-powered transmitters.  
Type 12AU7/ECC82 Low-gain dual triode for voltage amplifier applications...low hum, noise and microphonics...replaces conventional 12AU7 without circuit change.

ask Amperex for name of dealer nearest you and copy of 36-page tube catalog.  
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*Thank you to all who have contributed to this issue of PHI. We greatly appreciate the time you took in sharing your knowledge! We are always looking for articles and new material to publish. Please send in your photos, announcements, story or short article (technical or not) at any time, for the next issue of PHI !*

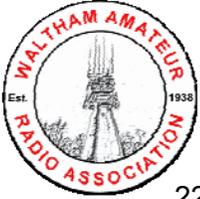


The Waltham Amateur Radio Association is affiliated with the A.R.R.L



# WALTHAM AMATEUR RADIO ASSOCIATION

[www.wara64.org](http://www.wara64.org)



## MEMBERSHIP AND CHANGE OF ADDRESS FORM

The Waltham Amateur Radio Association operates repeaters on 6 Meters, 2 Meters, 220 MHz, 440 MHz, and 900 MHz. The repeaters are free and open for everyone to use. But repeaters have bills to pay, just as you do. Your membership dues help support these repeater expenses, as well as help to keep you informed about club activities and other aspects of ham radio. Individual membership is \$20 annually. Family membership (members all in same household) is \$30.00 annually. If you cannot afford the annual dues, please send what you can. If you are inclined to donate more, we will put it to good use. You can join or renew at [www.wara64.org/membership.htm](http://www.wara64.org/membership.htm) or complete this form legibly, and return it to:

**Waltham Amateur Radio Association, PO Box 411, Waltham, MA 02454**

### Member 1:

Name \_\_\_\_\_ Call Sign \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone # \_(\_\_\_\_\_) \_\_\_\_\_ Are you an ARRL member? \_\_\_\_\_

Email (for newsletter) \_\_\_\_\_

### Member 2:

Name \_\_\_\_\_ Call Sign \_\_\_\_\_

Telephone # \_(\_\_\_\_\_) \_\_\_\_\_ Are you an ARRL member? \_\_\_\_\_

Relationship to Member 1: \_\_\_\_\_

Email (for newsletter) \_\_\_\_\_

*For additional family members please attach their information to this form*

### Payment Enclosed:

Individual Membership for \_\_\_\_\_ year(s) @ \$20/year nominal: \$ \_\_\_\_\_

Family membership for \_\_\_\_\_ year(s) @ \$30/year nominal: \$ \_\_\_\_\_

