



Garden School Amateur Radio Club

Newsletter

2nd Quarter - 2016-2017

Welcome to 2017 and our Garden School's new Amateur Radio Club! Our club was started this year with some generous donations from an alumnus and in conjunction with the Hall of Science Amateur Radio Club serving as our mentors.

Who is the Typical Ham?

Amateur Radio operators come from all walks of life -- doctors, students, kids, politicians, truck drivers, movie stars, missionaries and even your average neighbor next door. They are of all ages, sexes, income levels and nationalities. Whether through Morse Code on an old brass telegraph key, voice communication on a hand-held radio or computerized messages transmitted via satellite, all hams use radio to reach out to the world.

Technician Class Meeting

The **Hall of Science Amateur Radio Club** in conjunction with the **Garden School Amateur Radio Club** will be holding a Technician License course where you can learn everything you need to earn your Technician (Entry Level) FCC Amateur Radio License. Depending on the class size it should take from 8 classes to complete the course. The Technician License is your gateway to the world-wide excitement of Amateur Radio... and you do NOT need to learn Morse Code!

Upcoming Events for the 3rd Quarter

Weekly Meetings

- 23-Jan - Room 30 @ 3:00
- 30-Jan - Room 30 @ 3:00
- 06-Feb - Room 30 @ 3:00
- 13-Feb - Room 30 @ 3:00
- 27-Feb - Room 30 @ 3:00

Contests

- 13-Feb to 17-Feb - School Round-up
- ##### Technician's Course
- Starting 06-Feb at Garden School



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|---------------------|----------------|
| 📅 Mon - 06-Feb | 📅 Mon - 13-Mar |
| 📅 Mon - 13-Feb | 📅 Mon - 20-Mar |
| 📅 Mon - 27-Feb | 📅 Mon - 27-Mar |
| 📅 Mon - 06-Mar | 📅 Mon - 03-Apr |
| 📅 Wed - 05-Apr Test | |

All classes will be held at Garden School (33-16 79th Street, Jackson Heights) in Room 30 (Mr. Hale's Room) starting at 6:30 PM and should end no later than 8:00 PM

The class is free but you will need a textbook (The ARRL Ham License Manual 3rd Edition - Level 1) about \$30 on Amazon and the test will cost \$15. Register soon as spots are filling up fast. To Register or for Information please contact : John Hale at kd2lpm@jrhaleteacher.me.

What You Will Learn

- The exciting world of Amateur Radio
- Radio and Signal Fundamentals
- Electricity, components and circuits
- Antennas and Radio Propagation
- Amateur Equipment
- Licensing Regulations
- Operating Regulations
- Electrical Safety
- and much more!



Garden School Amateur Radio Club

Ham Radio University

On January 8th, members of the Garden School Amateur Radio Club went to the 18th Annual Ham Radio University conference at Briarcliffe College. HRU is a day of activities at which some 300 Amateur (ham) Radio enthusiasts share ideas, experiences, knowledge and fellowship. Ham Radio University is the New York City/Long Island Section Convention of ARRL: The National Association for Amateur Radio™.

The event included more than two dozen informational forums and hands-on workshops moderated by local experts in a broad range of Amateur Radio activities including: Building an Amateur Radio Station; Communicating Through Amateur Radio Earth Satellites; Remote Station Operating Over The Internet; and workshops on Ethernet connectors and computer-based electronic test equipment. The keynote speaker was Tom Gallagher, NY2RF, Chief Executive Officer of ARRL. A ham radio station was operating throughout the event, providing us with the opportunity to experience Amateur Radio communications firsthand.

Past Events for the 1st & 2nd Quarter

01-Oct - NYC Maker's Faire
09-Oct - HOSARC HAM Fest
17-21-Oct - School/Club Round-up (LIAMRC)
19-Nov - ARRL November Sweepstakes
10-Dec - 10 Meter Competition
08-Jan - Ham Radio University



School Club Roundup

During the week of October 17th, the Garden School Amateur Radio club participate in the National ARRL School Club Roundup. The objective was to exchange QSO information with club stations that are part of an elementary, middle, high school or college. Non-school clubs and individuals are encouraged to participate. Sponsored by the ARRL, its Hudson Division Education Task Force and the Long Island Mobile Amateur Radio Club (LIMARC) to foster contacts with and among school radio clubs. Garden School was able to place 12th Nationally in the Mid/Intrmd/Jr High School-W/VE division. We are very proud of the accomplishment during their first competition.

Radio Direction Finding - Fox hunting

The students of the **Garden School Amateur Radio Club** have been hard at work the past few weeks learning to soldering circuit boards to make their own receivers for an Amateur Radio Activity called a Fox hunt. We have one completed and should have the other two finished by February. We should be ready for our first hunt in early March.

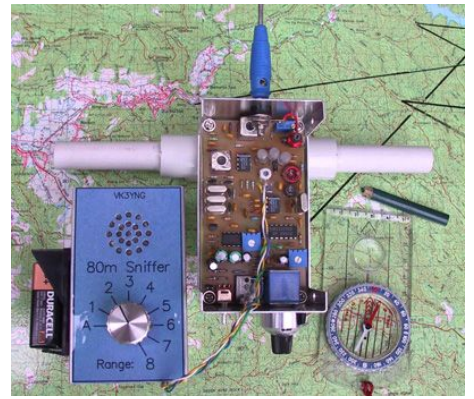
Fox hunting is when you use a radio and normally some kind of directional antenna to search for a signal. The signal that you are looking for can be a malicious transmission or it could be transmission that is being sent out by someone to help you train to find that malicious transmission. Fox hunting has come along way in the past ten years or so. With the help of radio equipment getting smaller and smaller, the fox could be anything from an actual person talking on a radio to a automated transmitter small enough to fit in a lawn sprinkler.

Fox hunting can be very fun. Not only are you getting out and doing something with your hobby but you are learning something about it in the process. You learn about propagation, amplitude, how objects can interfere with transmissions, etc.

Fox hunting can be done on any band in the amateur radio spectrum. Fox hunts can be a local thing that your club does where everyone is on foot, it could be a little bigger like encompassing a whole city or even be on hf and cover a few states or a large 100+ mile radius. The size and scale of fox hunting is limited only by your imagination.

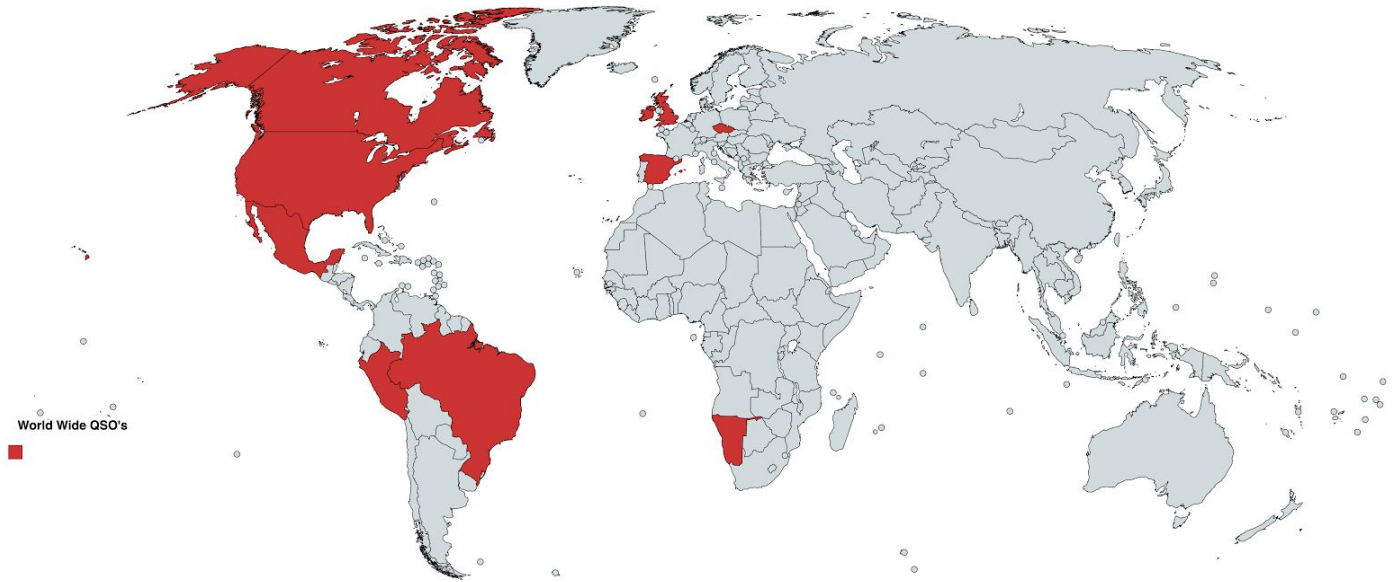
Scholarship Opportunities

There are many opportunities for students who are Licensed Amateur Radio Operators out there to help with college tuition. Below is a list just some of these opportunities that are available to students in our area. Most do require that the student is a Licensed Operator. We are offering a class in February to help students get those licenses. If you are interested please contact Mr Hale at kd2lpm@jrhaleteacher.me.

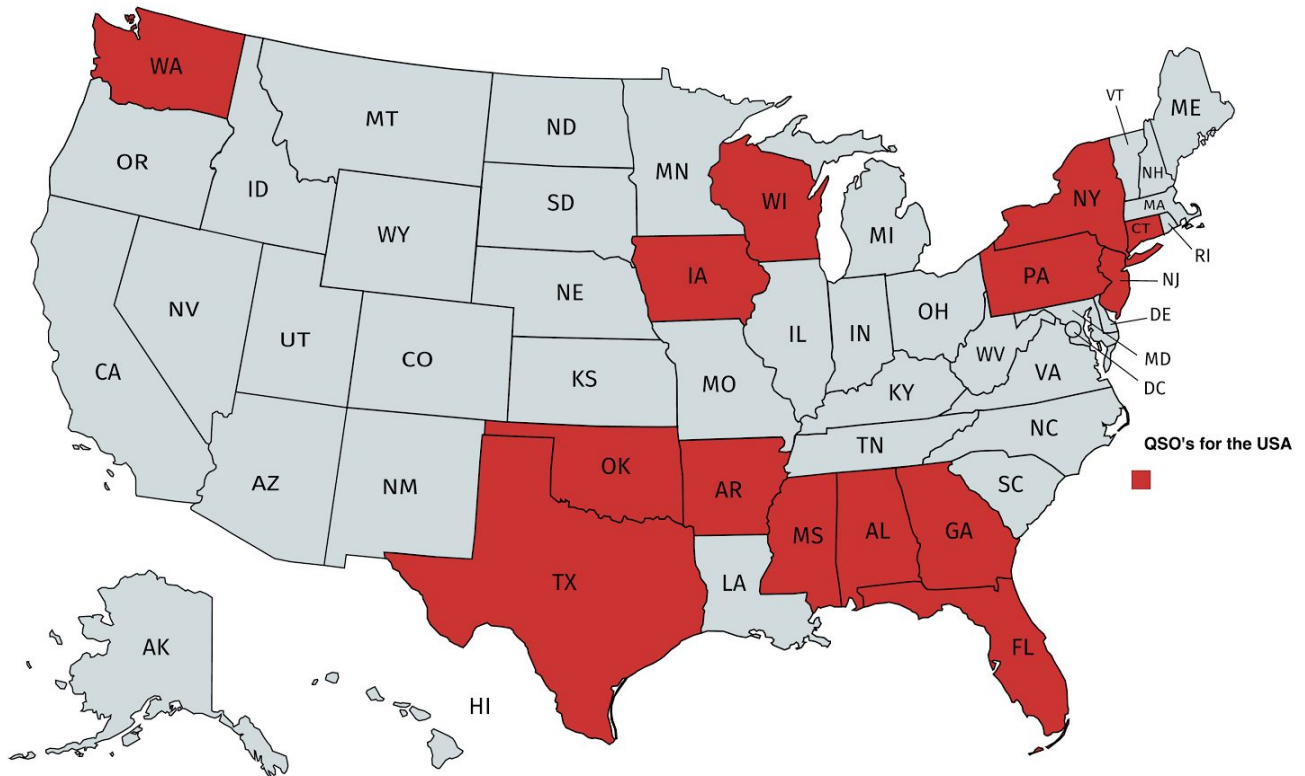


<ul style="list-style-type: none"> • Androscoggin Amateur Radio Club Scholarship- \$1,000 • The ARRL General Fund Scholarship- \$2,000 • The Ernest L. Baulch, W2TX, and Marcia E. Baulch, WA2AKJ, Scholarship- \$3,500 • The Richard W. Bendicksen, N7ZL, Memorial Scholarship- \$2,000 • The Henry Broughton, K2AE, Memorial Scholarship- \$1,000 • The L. B. Cebik, W4RNL, and Jean Cebik, N4TZP, Memorial Scholarship- \$1,000 • The Dayton Amateur Radio Association Scholarship- \$1,000 • The Alfred E. Friend, Jr., W4CF Memorial Scholarship- \$5,000 	<ul style="list-style-type: none"> • The Ted, W4VHF, and Itice, K4LVV, Goldthorpe Scholarship- \$500 • The K2TEO Martin J. Green, Sr. Memorial Scholarship- \$1,000 • The Dan Huettl, WZ7U, Memorial Scholarship- \$1,000 • The Dr. James L. Lawson Memorial Scholarship- \$500 • The Scholarship of the Morris Radio Club of New Jersey- \$1,000 • The Victor Poor, W5SMM, Memorial Scholarship- \$2,500 • The Don Riebhoff Memorial Scholarship- \$1,000 • The Bill, W2ONV, and Ann Salerno Memorial Scholarship- \$1,000 	<ul style="list-style-type: none"> • The Carole J. Streeter, KB9JBR, Scholarship- \$1,000 • The Robert D., W8ST, and Donna J., W9DJS, Streeter Scholarship- \$1,000 • The Alan G. Thorpe, K1TMW, Memorial Scholarship Fund- \$1,000 • The W1FDR Scholarship- \$1,000 • The Betty Weatherford, KQ6RE, Memorial Scholarship- \$1,000 • The William C. Winscott, N6CHA, Memorial Scholarship- \$2,500 • The YASME Foundation Scholarship- \$3,000 • Yankee Clipper Contest Club Youth Scholarship- \$1,200 •
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Our Contacts - Worldwide and USA



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