

THE ROAD TO CLUB OF THE YEAR THE NASHUA AREA RADIO SOCIETY STORY

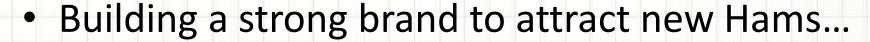
FRED KEMMERER, AB1OC
PRESIDENT

Hamvention® 2019 Club Of The Year



Topics

- Our 4 year journey
- What do you want to be?
- Try new things
- Great advisors



- Licensing and Mentoring Focusing On the New Ham and Building member skills
- Activities, Activities, Activities...
- Invest in Development through Amateur Radio
- It All Comes Down To...



Nashua Area Radio Club's Journey

Its been about 4 Years of Change and Modernization

Starting Point (2015)

- Approximately 40 members,
 with 10 15 at meetings
- Field Day was only major activity
- Little growth



Today

- 230+ members, with 50 60 at meetings
- Many new members are younger people; some middle and high-school age – 60% of the club is licensed < 5 years
- Field Day is still important but we have added many new activities
- We have added a major focus on STEM learning, education
 & licensing activities, and youth outreach

Decide What You Want to Become

And Walk Your Talk..

Our Mission

- Encourage and help people to become licensed and active in Amateur Radio
- Spark Interest among Young People in STEM Education and Careers through Ham Radio



- Provide training and mentoring to enable our members to improve their technical and operating skills and to be prepared to assist in times of emergency
- Sponsor on-air operating activities so that our members may practice and fully develop their operating skills and have fun with Ham Radio!
- Commit yourself and your team Walk The Talk...
- Adjust your leadership team to match goals
 - 7 board members plus a fourteen year old youth advisor
 - > ½ of our initial leadership team was licensed for < 5 years

Not sure what goals to pursue? Begin with a serious focus on *operating* as an ARRL Special Service Club

Try New Things

And Learn to Fail Fast

- Nashua ARS Youth
 Outreach Example
- We tried
 - Youth activities day...
 - Youth days on the air...
 - GOTA station at soccer practice...
 - Ham radio day at local maker organization...
 - Sponsoring youth participation in ARRL Rookie Roundup and
 13 Colonies Spec. Event getting close, these are keepers...
 - Working with schools on STEM learning projects success!
 - Youth Expos, Kits Builds, license classes for young people...

Our learnings –

- Stay focused on your goals and try new ideas as soon as you can.
- If you fail; learn, improve, and move on to another idea.
- Don't stop until you are getting great results!



You'll Need Great Advisors

Here are some of ours...



Eleni Floras MHS Physics Teacher



Karen Crivac, KC1KBW
BGHS Biology Teacher

- Focus on Natural Leaders and Influencers for young people
- Understand how to relate to and teach young people
- Guide development of quality STEM learning material
- Folks who truly believe in and want to invest in the future of young people
- Encourage and help your advisors to get licensed and active in Amateur Radio
- Enable young people to lead the way



Dan Pooler, AC1EN
HMS Mathematics Head



Adam Goldstein, KC1KBZ
HMS Science Head

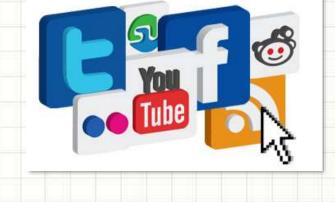


Abby Finchum, AB1BY
Youth Advisor & EC Member

Build a Strong, Modern Brand

To Attract New and Younger Hams...

- Where does your target audience spend their time?
- Make your first impression count
 - Facebook, Twitter, and YouTube presence
 - Is your website modern and "cool"?
 - Dynamic, constantly changing content keeps 'em coming back...
 - Center around video and photos
 - Create a social following by linking your Internet properties
- Modernize Your Communications
 - Utilize Livestream Video Nets,
 Contests, Field day, ...
 - Try switching your newsletter to Blog approach to encourage participation





- Partner with school and other social media sites
 - Encourage members to post, Blog, and Like on social media

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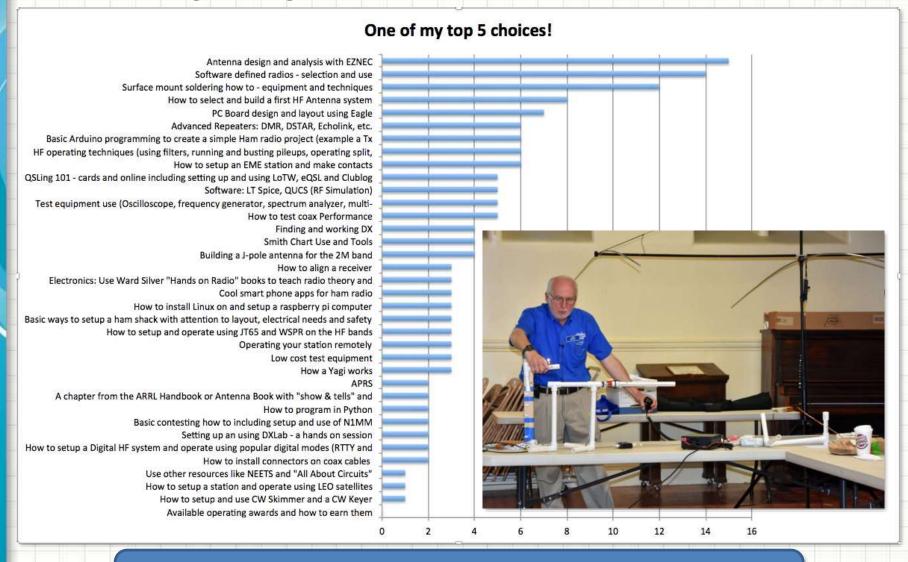
- Is yo > 440+ media-rich articles written by members
- Dyn
 WW Ham Radio Resource 300-400 views/day
 - Monthly Newsletters contain 10-15 new articles each month
 - Over 2,600 forum posts enable member engagement and mentoring
 - Regular Livestream video from NARS nets and events encourages community engagement
- Utiliz
 Contests, Field day, ...
- Try switching your newsletter to Blog approach to encourage participation
- Partner with school and other social media sites
 - Encourage members to post, Blog, and Like on social media





Develop Skills and Help Hams Learn

Our Tech Night Program



Member Prioritized and Delivered Material. Recorded and Archived on n1fd.org to build a Reference Library of 35+ training videos.

Focusing On The Young Ham

Its different today...

- Consider this...
 - Young people have more activities to choose from than ever before
 - Their calendars are busier than ours
 - Young families have to work harder and have very limited time beyond work and family
 - Social activities, learning valuable life skills, and self improvement are still top priorities



- Provide for entry into Amateur Radio in reasonable steps
 - Provide activities to allow new and young prospective Hams to try out and experience Amateur Radio in small, time limited steps
 - Encourage a simple path to get licensed or upgraded
 - It's a huge mistake to treat licensing as a hurdle to be jumped over
 - Elmering, training, and help getting on the are your club's most critical assets - you must get your members actively involved
- Make Amateur Radio Fun! Embrace Digital and Computer Tech. 10

GOTA Activities for Young People



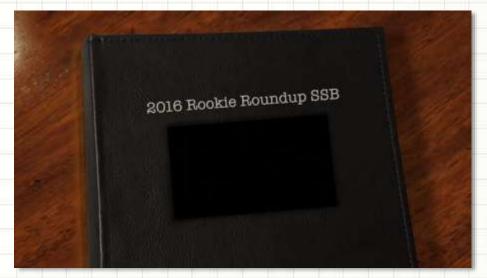
ARRL Rookie Roundup – SSB, RTTY, CW

- Beginners contests provide a chance to compete and have fun on the air
- Contests are held Three Times a year
- Open your station, provide training and coaching
- Provide recognition awards
 - Social Media
 - Certificates



ARRL Kids Day

- "Kids Day is designed to give on-theair experience to young people"
- Make it fun for young people. Consider including –
 - A Fox Hunt
 - Morse Code activities
 - Satellite Operating
 - Antenna Building
 - ...
- Great opportunity to livestream to Facebook...



Programs in Local Schools

STEM Education through Amateur Radio

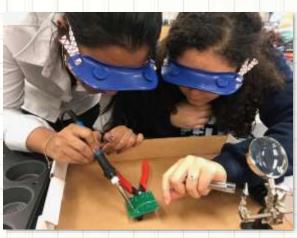


High-Altitude Balloon Projects

- Its about education first develop and deliver a quality STEM learning experience
- Good mix of classroom education and Amateur Radio activities for fun is essential
- Participation in school clubs, STEM nights, and other school projects
- Something special an ISS Contact



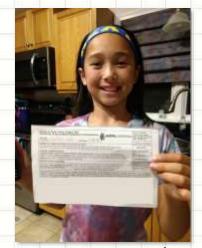
Morse Code Competitions



School Kit Builds

Licensing Young People

Creating Effective License Training



New Ham with Her CSCE



Summer Youth Tech License Class

- Interest in earning a license is high!
- A mix of classroom material and hands-on activities is very important
 - Incorporate demonstrations and on-air experiences
 - Be flexible, adjust balance to match age group
- Effective license class delivery will result in high percentage of young people earning licenses
- Please support ARRL efforts to modernize the band plan for Technicians!



AB1BY License Class Instructor



Antenna Building Activity



New Ham Bootcamp

Getting Hams On The Air

- What percentage of newly licensed Hams get on the air?
 - You can help!
- Host a New Ham Bootcamp with multiple sessions, most held at a member's station
 - Session 1: Repeater net, HT Programming, EchoLink, Station/Antenna Farm Tour
 - Session 2: HF Operating, Digital Operating,
 Satellite Operating, Ground Plane Antenna Kit
 - Session 3: Trip to local Ham Radio store with mentors
 - Session 4: How to setup 1st station, 6 meters,
 Use your HF Transceiver
 - Session 5: Operate in the ARRL Rookie Roundup
 SSB Contest N1FD team placed # 1 in Multi Op Area 1 and had highest score in contest
 - Session 6: Building and Tuning up HF Wire Antennas







Activities, Activities, Activities...

Keeping it Fresh and Fun is the Lifeblood of your Club's Energy











- Gotta have OTA's NPOTAs, SOTAs, POTAs, IOTAs, GOTAs, ...
- Club Projects
- Rookie and other hosted contests
- Hold Kit Builds

- Family activities (ex. Club Picnic)
- Host a young person or prospective Ham at your members' stations
- Hold Fox Hunts
 - Keep the lineup *changing and fresh*!

Field Day As A Learning Tool

Focus Activity Around New Hams & The Public





- Help young and inexperienced
 Hams to be your "star" operators
- Embrace new Technology & make it the central part of your operation
 - Satellites, SDRs, Networking, Video
- What does Amateur Radio look like to your public visitors? <u>Be engaging</u>.

What's Next for the Nashua Area Radio Society?











- To expand our youth outreach and training work, we've become a 501c(3) non-profit organization
 - We have raised over \$12,000 to support our Mentoring, Training, Youth Outreach & EMCOM projects
- We've added <u>Youth Exposition</u> and <u>Ham Bootcamp</u> programs
 - Delivered at regional Ham Fest, Public Libraries, School STEM Nights, ...

World Class Amateur Radio Training

Internet Subscription









Tech Night Presentations (Present - 2016)



Training Videos Include:

- · Building Your First Station and Getting On The Air
- · Getting On The Air 2.0
- Popular Loggers Ham Radio Deluxe and DXLab Suite
- Fox Hunting including including Tape Measure Yagi Build
- Advanced Repeaters (DMR, EchoLink, DMR, and D-STAR)
- DMR Radios and Programming
- WSJT-X: FT8, WSPR, MSK144 and More
- DX'ing and QSL'ing
- All About Field Day
- Building and Operating a Satellite Ground Station
- Putting up a Tower
- · Bonding and Grounding
- Operating Your Station Remotely
- Getting the Most from your HF Transceiver
- Antenna Modeling with EZNEC
- Software-Defined Radios
- Getting Started with Raspberry Pi Computers
- Building and Operating a Mobile HF Station
- Weak Signal VHF and UHF Stations
- Surface Mount Soldering/Desoldering, a Hands-On Demonstration
- Low-Band Antennas
- Directional Antennas
- And more new content almost every month

More info via QR code or

https://www.n1fd.org/join-us



Our Internet Subscription makes our Learning Materials available outside our local area including an extensive Tech Night Video Library along with Q&A in our most popular forums for a small donation.

It All Comes Down To...

- Being Focused on a few, important goals
- Being Committed to Modernizing your club and our hobby
- Being *Passionate* about promoting Amateur Radio
- Being Willing to Teach, Coach, and Help Others to learn and enjoy AR



Video on Vimeo

- And it takes...
 - ✓ Some hard work
 - ✓ Commitment to modernization and new ideas
 - ✓ Creativity plus a willingness to try new things, and the ability to fail fast.
 - ✓ Focus on getting your team members engaged
 - ✓ Lots of new and constantly improving activities & learning opportunities
 - If you're not evolving and adding new things, you're declining
 - ✓ More than one or two things its the mindset that makes the difference



A Final Word About Club Of The Year





- The recognition that comes with the Hamvention® Club Of The Year Award is amazing!
- The real value in receiving this award comes from the path that you walk to get there
- If you focus on building a well rounded, world-class Amateur Radio Club that is focused on benefitting your community and modernizing the Amateur Radio Service, the award will come
- The return for building a club like this is FAR GREATER than receiving any award...

Thank You!



Contact Information:

Fred Kemmerer, AB1OC
President, Nashua Area Radio Society
ab1oc@arrl.net

Much more information, pictures, and video are available on The Nashua Area Radio Society's website at:

www.n1fd.org

