# MODERNIZING & GROWING YOUR CLUB THE NASHUA AREA RADIO SOCIETY STORY

FRED KEMMERER, AB1OC – PRESIDENT DAVE MERCHANT, K1DLM – VICE PRESIDENT ANITA KEMMERER, AB1QB – MEMBERSHIP SCOTT ANDERSEN, NE1RD – PROGRAMS JAMEY FINCHUM, AC1DC - ACTIVITIES ABBY FINCHUM, AB1BY – YOUTH ADVISOR



# Topics

- Our 4 year journey
- What do you want to be?
- Great Advisors



- Try New Things and Learn to Fail Fast...
- Building a strong brand to attract new Hams...
- 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
  - 225+ members, with 50 60 at meetings
  - Many new members are younger people; some middle and high-school age – 25% of the club is licensed < 3 years</li>
  - 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</li>

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

## You'll Need Great Advisors

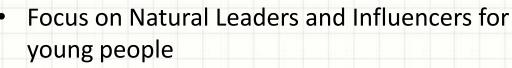
#### Here are some of ours...



Eleni Floras MHS Physics Teacher



Karen Crivac, KC1KBW BGHS Biology Teacher



- 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

**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, a keeper...
  - 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 your fail, learn, improve, and move on to another idea.
- Don't stop until you are getting great results!





## 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





## Build a Strong, Modern Brand

To Attract New and Younger Hams...

- Where does your target audience spend their time?
- Make your first impression count



Face

Is yc

Dyn

Cen

Creating

Mode

you

Utilize

con

- 400+ media-rich articles written by members
  - WW Ham Radio Resource 300-400 views/day
- Monthly Newsletter contain 10-15 new articles each month
- Over 2,480 forum posts enable member engagement and mentoring
- Regular Livestream video from NARS nets and
  - events encourages community engagement

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





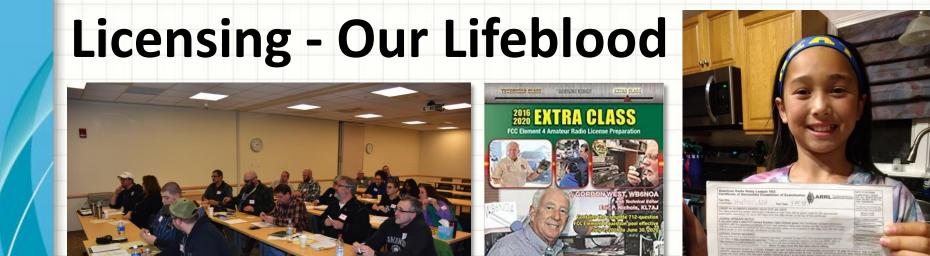
POPULAR TA

and Mathematics (STEM) for young per

ar Radio. Many members of our club began or enhanced their interest

13 Colonies Special Event Antennas APRS Arduino-Raspberry PI ARRL Club Event Contest CW CW Class Digital DX Dxpedition Elmer Field Day rew Hunting Harwention HF High Altitude Balloon History Homebrew Humor Intervet Kits License Class License Dam Marci Ball Gom Membre Sociatif Mobile







We provide license classes for all 3 levels – Technician, General and Extra – twice per year . We have helped over 230 students earn a license or an upgrade. Our Classes Include Numerous Demos and Hands-On Activities.

# **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 1<sup>st</sup> 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

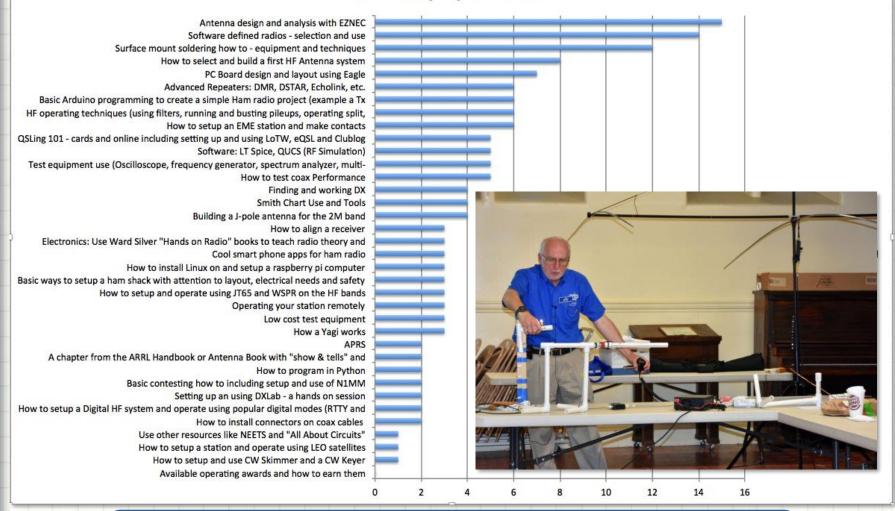






### **Develop Skills and Help Hams Learn**

### **Our Tech Night Program**



#### One of my top 5 choices!

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

# **Mentoring On Our Website N1FD.org**

EDUCATION AND TRAINING, FEATURED, GENERAL, NEWSLETTER, ON THE AIR CONTESTING JARGON EXPLAINED

③ OCTOBER 1, 2018 ▲ SCOTT ANDERSEN Ø EDIT

Contesting, as per my <u>last post</u>, is an on-air activity where many (often thousands) of people get on the air and exchange small pieces of information for fun and bragging rights. This little corner of our hobby has its own nomenclature. I'm here to help decode some of this and help you get ready for your first contest.

#### The Cabrillo File Format

It might be helpful to work backwards a bit through this problem. At the end of this endeavor, you'll want to submit your log to the contest sponsor. This will be your official entry into the contest. Since the vast majority of contests are all the same or at least the data demanded by the sponsors is the same, folks got together and made a common computer file format to do this work. That file format is called *Cabrillo* (pronounced Cab-Re-Oh).

The <u>Cabrillo file format</u> is important not just because it is the standard way to submit your entry to a contest sponsor, but because the common definitions for concepts in contesting are defined in this standard. This article will walk through some of the most common and most important of these concepts. (I'll use the Cabrillo 3.0 specification for this discussion.)

#### **ELMERING FORUM**

Nashua Area Radio Society > Topics In All Forums > Elmering Forum

			MARY ALL TOPICS AS READ
Unsubscribe			
This forum contains 95 topics and 236 replies, and was last up	odated by 🔝	Aron Insi	inga 1 day, 1 hour ago.
Viewing 10 topics - 11 through 20 (of 95 total)			<u>+ 1 2 3 10</u>
Торіс	Voices	Posts	Freshness
S Putting Up a Tower - Grounding and Bonding	2	4	6 months, 2 weeks ago
Started by: Fred Kemmerer			Burns FISHER
S Logging Programs	3	3	6 months, 3 weeks ago
Started by: e Robert Shields			Fred Kemmerer
anew .	2	3	6 months, 4 weeks ago
Base Station - C4FM or Not? Started by: Scott Chapman			Scott Chapman
	22		
Putting Up a Tower	1	3	7 months ago Fred Kemmerer
Started by: Fred Kemmerer			
Working on Satellite Station Today	1	1	7 months, 1 week ago
Started by: Fred Kemmerer			Fred Kemmerer
S Decoding Component Markings	1	1	7 months, 2 weeks ago
Started by: Maron Insinga			Aron Insinga
anew	1	1	7 months, 3 weeks ago
Getting On The Alr, Getting Started with the IC-			Fred Kemmerer

MARK ALL TOPICS AS READ

Our interactive website allows members to write articles to teach others about their area of expertise. Our forums allow members to ask questions and get answers from mentors.

## **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.

# **GOTA Activities for Young People**



#### ARRL Rookie Roundup – SSB, RTTY, CW

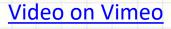
- Beginners contests provide a chance to compete and have fun on the air
- Contests are held Three Times a year
- Open your station, provide training and coaching
- Provide recognition awards
  - Social Media
  - Certificates



#### **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...

2016 Rookie Roundup SSB



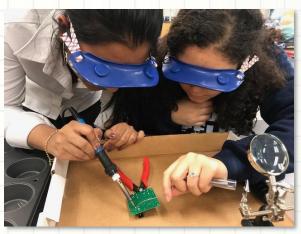
# **Programs in Local Schools**

### STEM Education through Amateur Radio





#### Morse Code Competitions



#### School Kit Builds

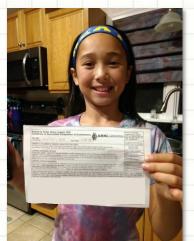
#### High-Altitude Balloon Projects

- 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 <u>an ISS Contact</u>

HUDSON MEMORIAL SCHOOL ISS CREW CONTACT December 2018

# **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



## Activities, Activities, Activities...

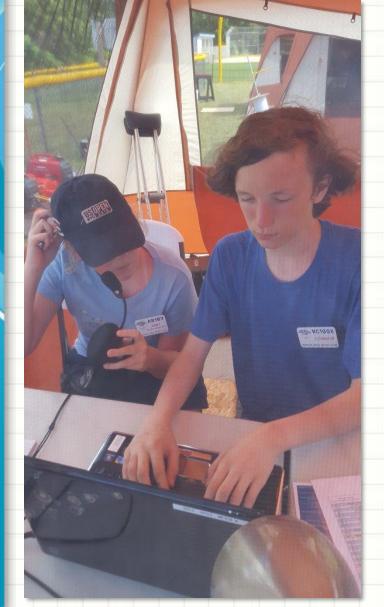
Keeping it Fresh and Fun is the Lifeblood of your Club's Energy



- 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>.

### Learning and Development through Amateur Radio

Investing in your community and in our future...



- Contribute to the future via education for young people in your community
  - Provide for STEM learning through Amateur Radio
  - Create fun learning activities at local schools, libraries, Boy's/Girl's clubs, ...
  - Engage with Scouting organizations
- Make our hobby stronger by becoming a driver for modernization & growth
  - Help adapt and evolve our hobby to maintain and grow its relevance
  - Embrace new technology and today's Internet and Digital platforms
  - Modernize Online Elmering, Embrace New Modes, Enhance the Band Plan...

19

## 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 \$8,500 to support our Mentoring, Training, & Youth Outreach projects
- We have added an <u>Amateur Radio Youth Exposition program</u>
  - Delivered at regional Ham Fest, Public Libraries, School STEM Nights, ...

# **World Class Amateur Radio Training**

### **NARS Internet Subscription**



Tech Night December 2016 Popular Loggers - HRD & DXLab Natrus fee Ridd Out Dear NISLA Tres Alloc Tech Night November 2016 Kit Night Building A 40m PIXIE Transcelv Natrus Asia Flado Cub

Tech Night October 2016 Low Band Antennas Nashas Ana Rado Club Dense K1002 Handlee X1945

#### Tech Night Presentations (Present - 2016)



We have two ways that you can become part of the Nashua Area Radio Society:

- Join as a Regular Member open to everyone in the United States of America. (You
  can join as an Associate Member if you do not yet hold an Amateur Radio License and
  we have a Family Membership available as well).
- Join as an Internet Subscriber open to anyone whose permanent address is in the United States of America and outside the states of New Hampshire and Massachusettes.

**Regular (and Associate or Family) Members** can participate in all Nashua Radio Society activities including our <u>Membership Meetings</u> and <u>Tech Nights</u>, our <u>Field Day</u> and other <u>Operating Activities</u>, and all of the Forums on our website. Members can also post articles which will appear in our Newsletters and can vote in our officer elections.

Internet Subscribers benefit from all of the training materials on our website including our <u>extensive online Tech Night Video training library</u>. We also provide mentoring for our Internet Subscribers via their posting questions and receiving answers in several of our online forums:

- Elemering Forum
- Homebrew Forum
- CW & QRP Forum

Internet Subscribers are also encouraged to join one or both of <u>our weekly on-air nets</u> via <u>EchoLink</u> (our repeater net) or via the 10m band (our HF net). *Internet Subscribers* are not eligible to hold office in NARS or vote in our elections.

More info via QR code at left or https://www.n1fd.org/join-us



Our Internet Subscription makes our Mentoring Materials available outside our local area including our 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
   <u>If you're not evolving and adding new things, you're declining</u>
- ✓ More than one or two things its the mindset that makes the difference,

# **Thank You!**



**Contact Information:** 

Fred Kemmerer, AB1OC President, Nashua Area Radio Society <u>ab1oc@arrl.net</u>

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

www.n1fd.org

Nashua Area Radio Society 2018 Field Day

Some Final Fun! <u>N1FD – A Number 1</u> <u>Field Day</u>