



NEWS FOR AND BY BARS MEMBERS

# BARS BillERICA Amateur Radio Society

JANUARY 2022

## **BARS physical meetings are on hiatus until further notice.**

The decision to resume in-person club meetings will be made entirely by the Board based on the outlook of this medical emergency.

Meanwhile, virtual club meetings using Zoom have proved an enjoyable substitute. Please ignore the section, below which gives directions and schedule for in-person meetings. It is hoped that we can resume in-person meetings by the new year.

**The Board has decided to resume in-person Saturday morning breakfasts at Stelio's Restaurant.** However, virtual breakfast meetings using Zoom will continue to provide an enjoyable substitute for those who wish to avoid physical presence.

**The VE License Exam Sessions, have gone back to in-person exams – see the VE section near the end of the newsletter for details.**

The safety and well-being of our membership is important to us.

--BARS Management.

VE Session. The Saturday morning breakfasts are still in hybrid mode (live in person & Zoom).

Our speaker for the January 5th meeting will be Mike Raisbeck, K1TWF. As First Vice President of the ARRL, Mike will be telling us about what has been going on and coming up at the League.

Suggestions for upcoming speakers and topics are always welcome from members. We want to present what you want to hear.

Here is hoping that your Holiday Season was Bright.....and that 2022 brings us a more "normal" life.

73's  
Gary Frascarelli,  
BARS President

**Next BARS Zoom meeting: January 5 at 7:00 PM**

**"Latest from the ARRL"**

**Presenter: Mike Raisbeck, K1TWF**

The ARRL Board of Director's meeting is coming up in mid-January. BARS's own Mike (who is First VP of the ARRL in addition to serving as VP for BARS) will give us an overview of what's on the agenda and other news from Headquarters.

## **From the President's Desk** **From Garry Frascarelli, W1GFF**

Where did 2021 go? Hopefully it won't come back. It has been a trying year for clubs, families, businesses, etc. And now with the Omicron variant who knows what 2022 will bring?

For the time being, BARS will stay in remote mode for monthly meetings. No decision has yet been made for the January 2022



We will announce the link to join the Zoom meeting before the meeting, but it will be posted to the BARS email list and should not be shared outside our Club. Are you on the email list? If not, please send an email to [bars-subscribe@w1hh.org](mailto:bars-subscribe@w1hh.org) and then simply reply to the robot response from the server and you will be subscribed.

Observing our Zoom meeting requires only a web browser and headphones/speakers. You do not need a webcam or microphone unless you want to speak or be seen.

Before our meeting date, please go to <https://zoom.us/test> and see if it will function for you. If you have problems, we can try to assist – feel free to ask questions on the BARS email list.

I am looking forward to “seeing” many of you on Wednesday 1/5 here at 1900.

Gary, W1GFF  
President, Billerica Amateur Radio Society

## A Message From the Editor

from Marla Wallace, WA1GSF

This month, we have a reprint from CQ Magazine: 65 Great Things About Ham Radio. Personally, I got into ham radio 55 years ago because of #54 and #55. But if that’s not your cup of tea, there are 63 other good reasons. Why don’t you make a checklist and see how many you can check off in 2022? You may well find a facet of the hobby you never considered doing becomes your new favorite activity!

## Feature Article: ‘Tis the Season for Giving By Larry Krainson

I submitted this too late to make the December newsletter. Here it is now, by itself.

December has always been a month where you do things for others. Most charities are looking for donations, Toys for Tots is going strong, Food Shelters are looking for extra food donations. It is a very good time for people to donate their money and time in many possible ways.

December is also a great time for you to help out fellow hams. To help them get comfortable with their equipment, to get on HF for the first time or possibly even to get on VHF for the first time. To help the new hams or any hams with whatever help they need.

The old term for this “help” was called Elmering. The newer term is called Mentoring and is a much more modern and appropriate word.

What does this have to do with you? The December ARRL 10 meter contest (December 11-12, Friday at 0000z – 7:00pm to Sunday at 2359z – 6:59pm) has long been an HCRA (Hampden County Radio Association out here in Western MA – think Springfield area) favorite. For years and years, club members participate and have fun making many contacts on 10 on both SSB and CW. Digital modes such as FT8 and others are not allowed in this contest.

The goal is to work as many stations as possible and only once per mode. The report is simple as it is just 59 WMA or 59 CT for SSB or 599 WMA or 599 CT for CW.

There are a number of logging programs with N3FJP or N1MM being two of the best and easiest to use.

<http://n3fjp.com/10meter.html>  
<https://n1mmwp.hamdocs.com/>

The ARRL 10m Contest is a perfect time to get newer hams into your shack and to help get them on the air. It’s a great introduction to contesting without it being so madcap crazy. It’s a perfect time to instruct someone how to make a contact and have someone log for them or instruct them how to log at the same time. It’s a perfect contest to coach newer hams on making contacts. It’s similar to Field Day but with less stations.

Do you know of someone who would like to visit and possibly get on the air? Open your station to them!

Participating in this contest is great fun and a great time to get on the air. Don’t miss out.

Mentor a newer ham today. Help get them on the air for the 10m contest December 11-12th.

Here are the full rules: <http://www.arrl.org/10-meter>

Another annual ARRL operating event happens on New Years Eve. It’s called Straight Key Night or SKN for short. SKN is a CW only activity. It runs New Years Eve from 7:00 pm for 24 hours to 6:59 pm the next day. The goal is to make at least one contact with a straight key, not a keyer. Have an actual Qso. Make it more than 599 EMA and 73. Give yourself the time to enjoy the Qso in a non-rushed way.

Here are the full rules for SKN: <http://www.arrl.org/straight-key-night>

This is always a fun night to get on and make a few cw contacts that are slower and more conversational.

I hope to hear you all on the air for both events.

Wishing everyone a healthy and happy holiday season.

Best 73,  
Larry, W1AST

## Feature Article: 65 Great Things About Ham Radio

By CQ Magazine

Five years ago, on CQ's 60th anniversary, we ran a feature throughout the year titled "60 Great Things About Ham Radio," in which we listed five "great things" each month. The series was quite popular and we have continued to receive requests to reprint it. So now, in honor of our 65th anniversary, we're repeating the list—with a few updates as well as five more "Great Things About Ham Radio."

1. It works when nothing else does
2. It makes you part of a worldwide community
3. The opportunity to help neighbors by providing public service and emergency communications
4. Some of the nicest people you'll ever meet
5. Some of the smartest people you'll ever meet
6. Some of the most interesting people you'll ever meet
7. Some of the most generous people you'll ever meet (along with some of the cheapest!)
8. Lifelong friendships
9. Friends around the world (including those you haven't met yet)
10. The opportunity to go interesting places you might not otherwise go to
11. The opportunity to do interesting things you might not otherwise get to do
12. The opportunity to expand your knowledge of geography
13. The opportunity to expand your knowledge of earth and space science
14. Practical uses for high school math
15. Practical uses for high school physics
16. A good way to practice a foreign language
17. A good way to keep in touch with faraway friends and relatives
18. A good way to get driving directions when visiting someplace new (with or without GPS)
19. A good way to find the best places to eat when visiting someplace new (with or without GPS)
20. Finding "non-touristy" off-the-beaten-path places to stay, eat, visit, etc.
21. A good way to learn about virtually any topic
22. A good way to bridge the generation gap
23. A good way to keep tabs on elderly/infirm people
24. People named Joe (Walsh, Rudi, Taylor)
25. How many of your non-ham friends have actually talked to someone in some remote place such as Cape Verde or the Seychelles?
26. How many of your non-ham friends might have talked to an astronaut aboard the space station?
27. How many of your non-ham neighbors might have a satellite uplink station in their basements—or in the palms of their hands?
28. How many of your non-ham neighbors might have a TV studio in their garage?
29. What other hobby group has designed, built, and had launched its own fleet of communication satellites?
30. Where else can you play with meteors?

31. Moonbounce
32. Informal way to improve technical skills
33. Informal way to improve communication skills
34. Introduces a variety of career paths
35. Offers unparalleled opportunities for career networking
36. Opportunities for competition in contesting and foxhunting
37. A good way to collect really cool postcards from around the world (despite the growth of electronic confirmations)
38. Nearly endless variety of different things to do, on and off the air
39. Hamfests
40. Dayton
41. Field Day
42. Working DX
43. Being DX
44. DXpeditions
45. Contesting
46. Award-chasing
47. Double-hop sporadic-E
48. Worldwide DX on 6 meters (once or twice every 11 years)  
[The current extended sunspot minimum has shown that mechanisms other than F2 propagation can offer intercontinental DX on the "magic band" at any point in the solar cycle.]
49. Tropospheric ducting
50. Gray-line propagation
51. TEP, chordal hops, etc.
52. Getting through on CW when nothing else will
53. Unexpected band openings
54. Building your own gear
55. Using gear you've built yourself
56. Operating QRP from some remote location
57. Experimenting with antennas
58. Working DX while mobile or while hiking
59. Experimenting with new modes and new technology
60. The opportunity to help build an internet that doesn't rely on the internet
61. DXing on your HT via IRLP and Echolink
62. Contributing to scientific knowledge about propagation
63. Keeping track of other people's GPS units via APRS
64. Ham radio balloon launches to the edge of space, and as always...
65. Reading CQ!

Permission is hereby granted to reprint this list in amateur radio club newsletters, provided credit is given to CQ magazine. Online editions must include a link to the CQ website, <https://www.cq-amateur-radio.com>.

(Submitted by Bill Poulin, WZ1L.)

## Feature Article: Life Beyond FT8 By Leandra MacLennan, AF1R

Have you ever wanted to have a real conversation with the ham at the other end of your FT-8 exchange? Have you been curious to talk to them to find out who he or she is and what equipment they are running?

There are many other digital modes where you can have a live keyboard to keyboard conversation. RTTY was one of the first digital modes, and is still used. PSK-31, Domino, Thor, and Olivia are newer, more modern digital modes. Thor and Olivia have forward error correction (FEC) making them very robust against fading and static crashes. I have been amazed at how, despite deep fades, QRN and high noise, I can get consistently get 100% copy with Olivia.

I've enjoyed many hours of keyboard conversations using Domino and Olivia. It's a very relaxed way of communicating, where you can exchange stories and get to know the ham at the other end of your radio signal.

If you are using FT-8, your computer and radio is already setup for to use these modes. To get started, I recommend downloading and installing FLDIGI. This application is intimidating the first time you open it. Don't worry, it is easy to set up for first-time use. This link describes how to setup FLDIGI:

<http://www.w1hkj.com/beginners.html>

How do you know if you have FLDIGI set up correctly? W1AW sends digital bulletins at 6 and 9 P.M. local time.

<http://www.arrl.org/w1aw-operating-schedule>

If you can decode the ARRL digital bulletins you are 90% set up.

For the final step, I would be very happy to arrange an on the air schedule with anyone to try a transmit test. Contact me at [AF1R@ARRL.NET](mailto:AF1R@ARRL.NET)

For those of you with a competitive streak, the ARRL RTTY Roundup is coming up the 2nd weekend of January. This is the biggest RTTY contest in North America.

RTTY contests are a lot of fun. You don't need to yell into a microphone all weekend and end up hoarse at the end of the contest. You don't need to know CW. The exchange is fast; you can make a contact in less than 30 seconds. You can quietly participate in this contest without making any noise to disturb your family. And if you need more states for WAS or countries for DXCC, you'll get them quickly in this contest.

## Welcome to the Eighth BARS CW Corner By Tom Walsh, K1TW

I am certainly enjoying helping others discover the joy of CW. Last month, I introduced the club to the New England CW friends, <https://groups.io/g/ne-cw-friends>, a group of very interesting CW hams from beginner to expert. We continue to meet every Tuesday evening at 8 PM. It's very much like a ham radio roundtable with lively discussions. Our number one objective is to have fun and help those who have expressed an interest in learning CW or further developing their CW skills.

Here it is the last week of December and the CW Friends meeting this week focused on (1) the ARRL Straight Key Night, (2) how to buy a Straight Key if you need one, and (3) operating CW mobile. CW Mobile, there are two words one does not always see together. One of the newest CW Friends does CW mobile almost every day and I think we will be learning a lot more about this at coming meetings!

To learn CW requires some effort. What motivates one person to invest the effort while another person doesn't? Well, one of the CW Friends suggested the motivated person perceives a personal benefit will result from the effort. It's interesting to explore this point further.

If you do not already know the code, but if you have listened to CW on your radio, it may be difficult for you to imagine a personal benefit from these unintelligible sounds. Perhaps the next best thing may be to ask others who do use CW, what benefit do they personally derive from operating on CW and was it worth the effort to learn the code?

I have mentioned a few things in earlier columns that most of us know well, such as:

- CW is very efficient. The equipment can be very simple, inexpensive, lightweight, and easy to build. There are many inexpensive QRP (i.e., low power) kits available that are very easy to assemble. Generally, the low power kits will perform well, and along with simple antennas make for a very nice lightweight portable station.
- CW usually performs better than SSB given the same power and antenna.
- The RSGB has a nice page on the advantages of CW. Read it at <https://rsgb.org/main/get-started-in-amateur-radio/operating-your-new-station/morse-code-is-still-worth-learning-but-why/>

But CW provides benefits beyond the advantages of low power, low cost, and easy to build radios. There are other ham radio operators who invest in very expensive, top of the line equipment and antennas and still operate mostly CW.

Why? Many Contesters and DX'ers are often very vocal about their love for CW operation. I remember people in the Yankee

Clipper Contest Club (YCCC) telling me how much less fatiguing a CW contest is than a phone contest, and now years later I totally agree.

What are my personal reasons for preferring CW over Digital modes, SSB, and other voice modes? Lest you think otherwise, I also operate these other modes too but my first love is CW.

What personal benefits do I derive from operating CW?

1. First and foremost, CW is great fun!
2. CW is elegant and I like that;
3. I feel a personal connection with the other operator because we share a unique skill;
4. CW is low stress once you gain experience;
5. CW doesn't make my voice hoarse in a contest; I once couldn't speak for a week after ARRL DX!
6. If you send a "Test" transmission, the Reverse Beacon Network (RBN) and the Club RBN provide almost instantaneous feedback on where you are being heard.
7. Simple stations, simple antennas;
8. Lots of fun. Did I mention that?

To BARS members who operate and enjoy CW, describe what personal benefits CW provides to you!

Till next month  
73,  
Tom K1TW  
k1tw@arrl.org

## Strays

### Found on the web

Not exactly *everything* you ever wanted to know about Ham Radio, but a great start. If somebody wants to learn more about the hobby, tell them to start here:

[Amateur radio - Wikipedia](#)

--de Marla Wallace, WA1GSF

### Is your Email address on the FCC site up to date?

#### **§ 97.23 Mailing and email addresses.**

*Each license grant must show the grantee's correct name, mailing address, and email address. The email address must be an address where the grantee can receive electronic correspondence. Revocation of the station license or suspension of the operator license may result when correspondence from the FCC is returned as undeliverable because the grantee failed to provide the correct email address.*

[85 FR 85533, Dec. 29, 2020]

I recommend that you log on to the your FCC Registration at <https://apps.fcc.gov/coresWeb/updateRegistrationPre.do> to make sure that your email address is up to date. Also in the future should you change your home address or your email address be sure to remember to update it on the FCC site.

--de Bruce, W1LUS

### Learn the Ins and Outs of Propagation

For those of you who are interested in propagation (and what ham isn't) you might be interested in two new mini-courses posted by Tamitha Skov a.k.a. The Space Weather Woman WX6SWW (note her Space Weather Woman call sign).

The factors determining real time propagation are sophisticated in nature with multiple constant changes making prediction very complex and, hence, very challenging.

If you want a really in-depth knowledge of the ionosphere and how it works and why it's so unpredictable, you would be interested in watching the YouTube courses with Tamitha Skov entitled Q&A Mini-Course : "The Ionospheric Weather Ballet-Parts 1 & 2" They are rather long and highly detailed but if you are interested in how the ionosphere works, then this is definitely for you.

She does an excellent job of explaining in depth how the D,E and F layers are very different from one another, further complicating accurate predictions.

--de Paul Graveline, K1YUB

### Like to teach? Here's an Opportunity

Dear BARS members,

Many BARS members know Bruce Blain, K1BG, our ARRL Affiliated club coordinator. He has spoken to the club on several occasions.

Bruce is seeking to interest more clubs in setting up Technician License classes. I think this is something we should support, provided we have the necessary volunteer support within our club. This type of club activity can be fun, but also requires a commitment of one or more interested members. Teaching classes is vital for the future growth of amateur radio.

If teaching a Technician class is of interest to you, please contact me immediately and tell me why you would like to do this for the club. If you haven't taught a class previously, there is training.

A training session is scheduled for early next week which still has openings. If interested, please contact me as soon as possible (off-list preferred).

Thanks,

Tom, K1TW  
ARRL Section Manager

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### Upgrading Your License? Here's a Resource

If you are thinking of upgrading your license using one of the Online exam sites. I recommend that you take some free practice exams on HamStudy.org. I recommend it because the software used to generate practice exams on HamStudy.org is the same software that is used to create exams for online tests. By doing that when you take an online upgrade exam the test question format will be familiar. With HamStudy.org practice tests you should use the keyboard to select the answer, A,B,C, or D and not your mouse as that is way online exams are run.

--de Bruce Anderson, W1LUS

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### Making ZOOM available to Elmers

In this time of social distancing we have been using Zoom for our monthly club meetings. I have been thinking that Elmers could also be using Zoom to coach new hams instead of actually going to visit with them. Elmers could perhaps help with programming a new radio with the new ham sharing their computer screen and the Elmer helping to walk them thru the process. An Elmer could have Zoom on their cell phone and show a new ham how their shack was setup. Use your imagination and see how you might use this tool. If you would like to use Zoom for this, contact Bruce, [W1LUS@hotmail.com](mailto:W1LUS@hotmail.com), with a date and a time and a meeting will be setup for you. You may also contact Bruce if you would like training on using Zoom to Elmer someone.

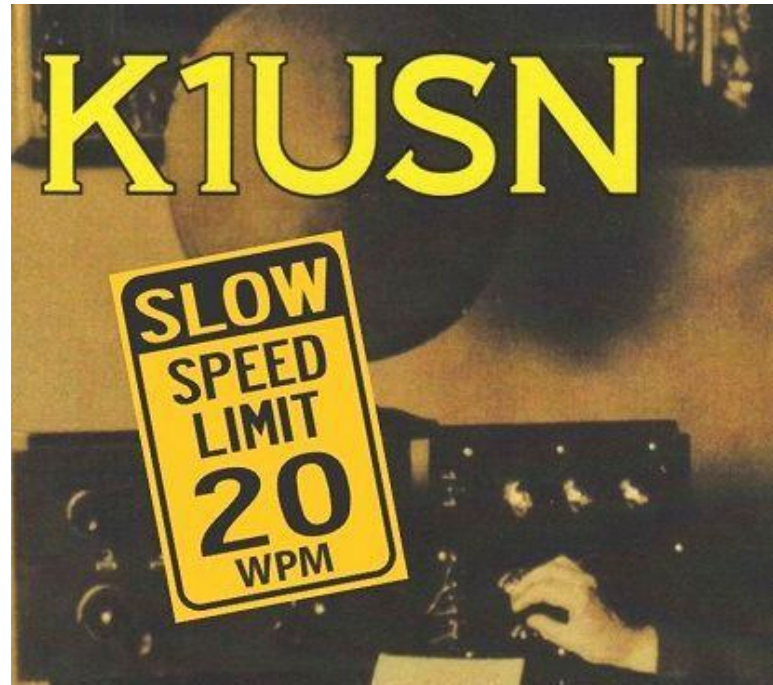
--de Bruce Anderson, W1LUS

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### Friday and Sunday Night CW Slow Speed Contest

Every Friday and Sunday night, there is a weekly slow-speed CW contest run by the local K1USN guys. This is a good way to polish up your CW skills. See <http://www.k1usn.com/sst.html> for details. Currently, the schedule is:

Fridays 20:00-21:00 UTC (3-4pm EST) and  
Mondays 00:00-01:00 UTC (7-8pm EST Sunday).



-- de Tom Walsh, K1TW

### Secretary's Reports

from Marla Wallace, WA1GSF, Secretary

#### BARS General Meeting December 1, 2021

President Gary Frascarelli, W1GFF called the Zoom virtual meeting to order at 7:02 PM.

Sadly, two club members have become silent keys: Bob - W1FDR & Mike - K1LJN.

The club voted on a proposal brought by the Board to hold a holiday party some Saturday noon after, rather than in lieu of the January meeting – the vote passed. Gary will arrange.

Bruce Blain - K1BG talked on ham software for building CW skills.

The meeting adjourned at 8:42.

There were 24 attendees

**There was no December BARS Board of Directors Meeting.**

## BARS Membership

Bruce, WILUS, our BARS Treasurer, reports that our current combined membership is 127 with 13 members from 2020 that have not renewed their membership. To date 29 members have already renewed for 2022. Anyone with a question about their renewal status can contact Bruce at WILUS@hotmail.com to get your current status.

## 2022 BARS Member Dues

A \$15 annual BARS membership now runs from January 1<sup>st</sup> and expires on December 31<sup>st</sup>. Any renewal or new membership made after September 1 will be valid until December 31<sup>st</sup> of the next year. Memberships allow us to

- Pay our bills;
- maintain our great web page;
- fund field day;
- and bring the membership a great variety of informative meetings and speakers.

## Treasurers Report for January 2022

from Bruce Anderson, WILUS, Treasurer

In December our expenses were Zoom \$15.93, W1HH.ORG domain for 2022 \$16.88 and PayPal fees of \$6.03. We had seven new/renewals for an income of \$105. We now have \$667.73 in the Bank and \$1029.94 in our PayPal account for a total of \$1697.67.

We are accepting renewals for 2022. For 2022 dues will remain at \$15.

Dues can be paid several ways:

- Via bank to bank transfer with Zelle, Venmo, PayPal, etc. by sending \$15 to [bars.dues@outlook.com](mailto:bars.dues@outlook.com).
- With credit card by using the Join/Renewal membership form on the W1HH.org website.
- With cash or check by mailing \$15 to Billerica ARS, PO BOX 832, Nutting Lake, MA 01856

## BARS Needs You!!!

We are looking for a few good hams to act as net control on the regularly scheduled Wednesday night nets! All it takes is one night a month; if you are interested contact Doug, N1WRN.

Also, the club needs volunteers for light tasks of ~ 1 hour a month. Are you able to pitch in? Contact Tom Walsh, K1TW.

## Wednesday Night Net

Join us on the Westford 146.955 Repeater for the weekly BARS net each Wednesday at 8:00 PM (except on the first Wednesday

of the month which is club meeting night). *Note: Thanks to the Westford Police Amateur Radio Team (PART) for their generous act of making their repeater available to us.*

Repeater info:  
WB1GOF  
146.955 MHz  
-600 kHz (normal) offset  
Encode CTCSS 74.4 Hz

## Club Meetings

**Because of the COVID health crisis, in-person club meetings are in hiatus. Club meetings are being held “virtually” using Zoom. We hope to resume in-person meetings in the fall,**

Club meetings are held on the first Wednesday of the month at 7:00PM at Chelmsford Bible Church, 128 Gorham St., Chelmsford MA

Park in back and enter by rear door

[Chelmsford Bible Church Hall, 128 Gorham St, Rear Door, Chelmsford MA 01824-3220](#)

## VE Sessions

**Our VE sessions are again being held in-person at the Chelmsford Bible Church. Pre-registration for our in-person exams is suggested. Contact [w1lus@hotmail.com](mailto:w1lus@hotmail.com) for registration information.**

VE sessions are held every month on the 2nd Thursday at 7:00 PM at Chelmsford Bible Church, 128 Gorham St., Chelmsford MA. Park in back and enter by rear door. [Chelmsford Bible Church Hall, 128 Gorham St, Rear Door, Chelmsford MA 01824-3220 \(map\)](#)

## December 2021 VE Session Report

On December 9 we had our sixth in-person VE exams at the Chelmsford Bible Church. We had six people show up for their exams. Four passed their Technician exam, then one of those continued to pass both the General and Extra exams. Zero to Extra in one session! One upgraded to General and one upgraded to Extra.

The new hams are KC1QDV, KC1QVW, KD2YKN and AC1MI. Be sure to say hello when you hear any of them on the air.

Our next in-person exam session will at the church on January 13 at 7:00 PM.

Thanks to Bill, WZIL, Andreas, KC1NT and Gary, W1GFF for their help in running the session.

--de Bruce Anderson, WILUS

## Club Breakfast every Saturday

On Saturday mornings around 8:30AM, have a virtual Zoom breakfast session (link provided in email if you subscribe).

We also meet in-person weekly at 8:00AM for a casual, social breakfast at Stelio's restaurant.

[Stelio's Family Restaurant, Billerica, MA](#)

## Future Meetings

The 2/2 meeting will be held via Zoom.

## Subscribe to the BARS Mailing List

To subscribe to the BARS email list, send a blank email to [bars-subscribe@w1hh.org](mailto:bars-subscribe@w1hh.org) and watch for an automated reply. Note that bars-subscribe is all one word.

Reply to that message from the list server and you are then subscribed.

To post to the list, address your email to [bars@w1hh.org](mailto:bars@w1hh.org)

## January Get-on-the-Air Suggestions from Tom Walsh, K1TW

BARS is a "get-on-the-air" (GOTA) club. We encourage members to participate in the varied events on HF and VHF.

Here are some popular suggestions for this month:

Date	Event
Jan 8-9	SKCC Weekend Sprintathon (WES) <a href="http://www.skccgroup.com/operating_activities/weekend_sprintathon/">http://www.skccgroup.com/operating_activities/weekend_sprintathon/</a>
Jan 8-9	ARRL RTTY Roundup <a href="http://www.arrl.org/rtty-roundup">http://www.arrl.org/rtty-roundup</a>
Jan 15-16	North American QSO Party, CW) ** <a href="https://ncjweb.com/naqp/">https://ncjweb.com/naqp/</a>
Jan 15-17	ARRL VHF Contest ** <a href="http://www.arrl.org/january-vhf">http://www.arrl.org/january-vhf</a>
Jan 22	North American QSO Party, SSB ** <a href="https://ncjweb.com/naqp/">https://ncjweb.com/naqp/</a>
Jan 29-30	Winter Field Day <a href="https://www.winterfieldday.com/">https://www.winterfieldday.com/</a>

### \*\* Top Recommendations for this month

Recurring Events – visit webpage for exact times and dates

K1USN Slow Speed Test - Every Friday 20:00 UTC / Every Monday 00:00 UTC

<http://www.k1usn.com/sst.html>

Details on each contest above and more events can be found every week on the WA7BNM contest calendar at: <https://www.contestcalendar.com/weeklycont.php>

## Parting Shot: HAM Radio at the Movies By Eric L. Johnson, KC1OAV

[with a couple of contributions by your humble editor]

Some say that a pun is the lowest form of humor; I claim that a pun is nothing more than a ploy on words. Here for your enjoyment are some partly fictitious HAM-handed movie quotes to match with some semi-satirical HAM-fisted movie titles. Match-em up! Enjoy!

CQ CQ CQ RM1EO, QTH?  
CQ CQ CQ, SH1ANE  
Don't look in the shack  
ET phone band.  
He's QSB, Jim  
I blame the FCC  
I love the sound of CW in the morning  
It's ALIVE!  
It's coming from inside the shack  
It's good to be KING  
Mmmmm, Juicy Fruit  
Mongo Straight Key  
My keyer stopped working  
Nice chaps  
Of all the HamFests in the world she's gotta walk into mine  
Please sir, can you QRO?  
RufzBud  
Send it again, Sam  
Some rigs are more equal than others  
Vanity signs, all is vanity signs  
We don't need no stinkin' license  
We're going to need a bigger antenna  
(faint signals) What is it sir? I can't make that out.  
Yee-Haw!  
You can tell which is my wallet. It says bad-ass FM-er

8 1/2 Watts  
A Funny Thing Happened On the Way to HamFest  
APileUp Now  
ARRL, The Wrath of God  
Antenna Farm  
Blazing Paddles  
CasaBlanker  
CitizenKN  
Crouching Tuner, Hidden PA  
Doctor StrangeHand  
Feedback Mountain  
Groundwave Day  
Hear, Send, OM, YL



JA1WS  
Oliver Twisted Pair  
One Flew Over the CQ Test  
PNP Fiction  
Rebel Without a Callsign  
RepOM  
R0meo and Juliet  
Run Sideband, Run DX  
StarLink  
Terminator  
The History of HAM World  
The Silence of the Iambs  
War and PC  
When a Stranger CQs

## BARS Leadership Team

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