



BARS Billerica Amateur Radio Society

NEWS FOR AND BY BARS MEMBERS

JUNE 2020

From the President's Desk

from the President of BARS, Andy Wallace, KA1GTT



Folks, November 4, 2020 is an important date for this BARS President. He will be stepping down – and we will hold an election to vote on his replacement.

It's important for you, too – because one of you would do your Club a big service by stepping up to the role. I have said in the newsletter and in person that being President of BARS should be a job any good ham could fit into. I do believe that. But if you are curious what the job requires, here are some top characteristics which should make you and the Club a good match for each other.

You should GET ALONG. Anyone who needs to manage as diverse a crowd as BARS needs to have the skill of diplomacy. It is okay to have opinions about how you think this hobby should be enjoyed, but sometimes the majority must rule. We have a lot of members who can count their decades in ham radio on three, four, or perhaps five fingers. You have to be aware that what people have enjoyed seeing, doing, and talking about for the last 10 years might be what they'd prefer to do for the next ten, too.

You need to have your finger on the pulse. “The needs of the many outweigh the needs of the few – or the one.” -SPOCK

You must be RELIABLE. People depend on you to be here. The President's primary role is to run the BARS meetings once per month, and Board meetings as often as needed. You need to be available for sudden decisions, and reachable by phone, text, and email. The Presidency is a part time job – but while you are performing it, you need to engage.

DELEGATION is the key to keeping energized. If doing this for the Club makes you nervous, let me be the first to point out that there will likely be six reliable people to assist. Weekly I get reminded that they are here for me to shoulder the load. Vice President, Secretary, Treasurer, two Board members, and our ex-President. The VP will be your body double when you can't be there. The Secretary and Treasurer each have defined roles which remove those worries from your plate. The Board members assist in projects and all of these people come up with good ideas for the Club. And finally, the ex-President remains to guide you in your duties based on what has worked before and removes the fear of the unfamiliar. The key here is that the President doesn't do all the work.

It's a must to be EXPERIENCED as a ham, both with our Club and in front of your transceiver. I'd prefer our next leader to be active as a ham – we keep saying BARS is a “Get On the Air Club”! You might not know about every mode, contest, or circuit, but having a working knowledge of basic operating and enough technical skills to manage your station (or better yet, enough to help educate someone else) will surely make you enjoy being President of a dynamic club even more. Looking back at our meetings for the last few years I know we have a LOT of interesting, well developed hams in BARS!

ORGANIZATION will help it all come together. If you are a good listener and an even better note-taker you will do very well. If it wasn't for a paper notebook or email folders I'd be lost keeping track of all the things my BARS leaders have done or want to do. Attend to the details!

You should be CREATIVE. We're a team but there's no downside to coming up with some unusual ideas to knock around the meeting table once in a while. We're in a hobby. It's not the end of the world if we go down a path for a month or two and then decide the project isn't a good fit. And I'll be the first to admit I was lukewarm about something that later turned out to be a heartwarming success (like finally doing our May Zoom meeting).

Well here are a handful of traits that I would love to see in my replacement. I have a feeling that some of you are already considering filling the job. If you have questions about this, feel free to email me KA1GTT@arrl.net or I am sure you can bounce the idea off any of the BARS team.

Andy, KA1GTT
President, BARS

Next BARS Zoom meeting: Wednesday June 3 at 7:00 PM

“Stories from the Shop - Repairing Antique Broadcast-band Receivers”.
by David Kruh WB2HTO.



I'm very happy to announce that our next virtual speaker will be David Kruh, WB2HTO, with his talk entitled Stories from the Shop. David enjoys repairing antique radios – ones using vacuum tubes – and has learned a lot about how they function and also about why they were designed and produced the way they were. I have enjoyed David's blog posts immensely and he does a great job connecting the dots between the cutting-edge electrical engineering work of today and the heritage that came before.

Working on antique radios takes a special kind of detective skill. Often the circuits are simple. Five-tube radios were common. But in producing consumer electronics, manufacturers had to cut costs which can leave today's hobbyist scratching his or her head as to why performance or safety could be at risk. Dave has a great

slide deck prepared with illustrations of what he has encountered and will explain the logic behind the original design and the way to get these antique sets playing safely again. Remember, there is real radio theory inside a broadcast-band radio. He will field questions after each section of his presentation as well.

This should be a fascinating talk!



I 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 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 next Wednesday.

Andy, KA1GTT
President, Billerica Amateur Radio Society

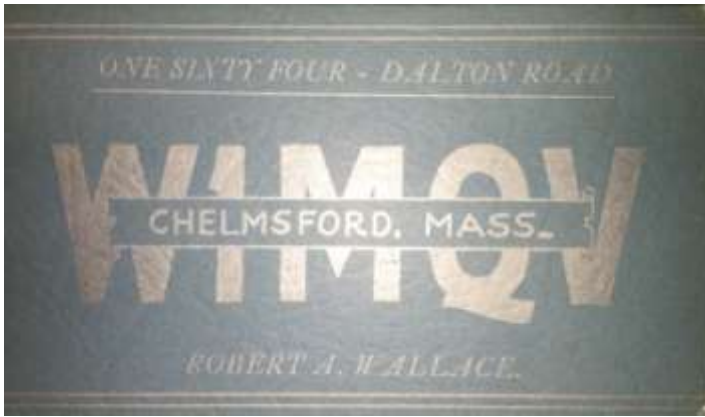
A Message From the Editor

from Marla Wallace, WA1GSF

A portion of this month's issue of the BARS newsletter is devoted to a retrospective of Bob Wallace, the former licensee of W1HH, our club call sign. By a happy coincidence, the June meeting falls on what would have been his 100th birthday. So several of us will share some of our memories of Bob.

Sadly, Bob became a silent key in October of 2006. Andy, KA1GTT, and myself, WA1GSF, decided that it would be a nice memorial to our father to have his call live on as the BARS club call. My dad's call was known worldwide, as he was an avid and long-time DX-er, but I don't think he would ever have predicted that it would also wind up as a URL, too.

Memories of W1HH



*The Earliest Known QSL Card for
Bob Wallace (Some Time After 1940 but before 1950)*

Andy Wallace, KA1GTT:



June 3, 2020, would mark the 100th birthday of Bob Wallace, W1HH. Marla and I are dedicating this issue of the BARS newsletter to our dad and hope you enjoy some of the stories we will share.

For the back-story of W1HH's history, please refer to last year's June newsletter at:

https://www.w1hh.org/wp-content/uploads/2019/06/BARSNewsletter_June2019_Web.pdf

That article highlights lots of facts and photos about Bob and I am sure you'll enjoy rereading it. For this issue, I would like to add a few more things about my father that perhaps you do not know.

cur·mudg·eon

/kər'məjən/

noun

noun: **curmudgeon**; plural noun: **curmudgeons**

1. a bad-tempered person, especially an old one.

Half of you are smiling because you knew Bob and agree with that definition. The other half are shocked that his son, President of Bob's beloved club, would actually use the term to describe him. (And I know which half Marla falls in.) Bob had a strong will and personality and if you were on his good side you generally had a fun time when he was around. In my teens and twenties Dad described me as "out there" and because of this I have to say we missed a lot of bonding experiences being hams could have given us.

Now that he is gone, and my shoulders carry more responsibility, it is easier for me to reflect on how Bob was and what made him tick. And my loss is all the more so when I realize that this apple really DID NOT fall far from the tree. Dad was an Electrical Engineer, a leader, and honestly a very fine ham operator. I admire him more in retrospect. That is life, I guess.

The technical and creative side of Bob impresses me. In 1977, my parents decided to quit smoking. My father paid (\$75, if I remember right) to join SmokEnders, which had him do things like put cigarette butts in a jar of water so the idea of polluting your lungs would sink in. Our mother took a different tack – she quit cold turkey! No cost. And I am happy to say that was the end of both of them smoking.

To get her mind off cigarettes, and because she pocketed the cash cartons of BelAir were costing, Mother began collecting dolls, and this eventually became a lifetime moneymaking business for her. Bob likewise found an outlet collecting radios. Not ham rigs – he was a one-rig on the bench at a time guy. He started collecting 1920s battery sets. Born in 1920, Bob lived through the depression and a cutting edge appliance such as a radio was an expensive thing for a family to have. Dad said his family's first radio was an RCA Radiola III. This was a two-tube set, simple in circuit, but it required several voltages to operate and did not plug into the wall like later radios. The simplicity of 1920s sets appealed to Bob. If you Google for photos you'll see that most of these early sets had black Bakelite (an early plastic material) front panels, well built hardwood cabinets, and an overall look more of a laboratory instrument than a piece of consumer electronics. Prices sometimes approached that of automobiles as well.

Dad found these sets at the Westford Flea Market – about where Chili's Restaurant is now. He also found them at Hosstraders and the antique radio swap meets that sprung up in the 1970s and continue today. His collection amassed many shelves of important radios dating back to WWI. Technically these sets went from the simple triode (three element tube) regenerative detector of Edwin Armstrong to complex circuits like the neutrodyne and early superheterodynes. He got a lot of pleasure out of rescuing sets and restoring them to nearly new appearance and function. I'm glad Bob enjoyed these radios and as he aged he also had the sense to put most of them back on the market so he could enjoy the cash. Most are gone now, especially the rare sets which brought good prices, but there are a couple middle-of-the-road pieces I am happy to still possess.

One of his earliest acquisitions was this Westinghouse RC from about 1922.



This set is historic in that it is possibly the first commercial broadcast receiver produced in the USA. Look at the patent dates on the set. The RC is actually a pair of units – the RA tuner and DA detector-amplifier. Separately, each in their own wooden cabinet, they are more scarce. I know of one BARS member who owns them!



Part of the problem with collecting such early wooden radios is that they fell out of favor quickly and were squirreled away into attics where mice often took residence in them. Our mother would grimace when yet another mousy radio came in the house. But Bob cleaned things up quickly and dove into troubleshooting the circuits. This RC was one such mouse-eaten set. Being a skilled woodworker hobbyist, Dad carefully measured what wood remained and hand-replicated the cabinet for this radio out of hardwood. You can see by the back photo the care he took in making everything look and fit correctly. I hope a lot of dad's friends are recalling seeing work such as this. After the tough job of reproducing a cabinet, troubleshooting the circuit was a piece of cake. Certain components, like inter-stage audio transformers corroded open-circuit, sometimes brought trouble.



By the way, last year's article mentioned that our father worked at Ray's Radio Shack, run by Ray Mulno of Lowell. In sorting thru W1HH's QSL cards I found one sent to him by Ray.



Of note is that this QSO was made on Pearl Harbor Day 12/7/41, and Ray notes it happened after the bombing. W1MQV was Bob's original call issued in 1940.

During Bob's interest in vintage radio, he also took it into the ham shack. Here is a single-tube CW transmitter he built.



Bob's not around to ask about this but I am guessing it is a transmitter he made for one of the Antique Wireless Association's contests. Having just pulled this off the shelf I have not traced the circuit but it could be a TNT transmitter – standing for Tuned plate/Not-Tuned grid. <https://qsl.net/ve7sl/tnt.html>

The single ceramic based tube is a Taylor T-20 <http://www.tubecollectors.org/taylor/archives/t20.pdf> rated for an amazing 44W out. I am sure W1HH had this on the air and perhaps someday I will trace out the connections and fire it up! It's great to see the care Bob took in crafting what might have been a one-time-use project and put it on the air.

We'll be celebrating dad's birthday, appropriately enough, by holding our BARS meeting on his birthday. We are trustees of his call sign and his legacy lives on in our website. I truly hope his spirit is pleased with what Marla and I have done in his place, and that all his BARS friends still miss him as we do. A hundred years later and his family STILL talks about him!

Marla Wallace, WA1GSF:

Growing up as the child of an active – I could say obsessive – ham meant that I was often treated as his “junior OP” and shop assistant. This sometimes lead to amusing experiences. I'll share three of these from my childhood, years before I got my own ticket, here.

When we were tent camping over the summers at Bear Brook State Park in New Hampshire, dad noticed that families tended to put up a sign with the family name so friends could see which site was who's. So he decided to put up a sign at our tent site, too. Except where their sign displayed the family name, he put his call sign (at the time, W1MQV) on ours. We had more passersby scratch their head saying, 'Wimkewv? What nationality is that!?'

When we lived on Steadman Street, one year he tacked a 40 meter inverted vee antenna to the side of the house. The antenna worked pretty good, but every time he went on the air (he used a Heathkit DX100 on AM and CW), we could copy him in the bathtub! Apparently, somewhere in the plumbing system there was a semiconducting element and something else was piezoelectric and the bathtub acted as a sound amplifier, much like the old time horn speakers on antique broadcast radios!

Another 40 meter foray was a vertical with a home-brew matching network at the base that he erected in the back yard. He had me key the DX 100 while he adjusted the matching network, measuring the SWR. He'd yell 'key it' or 'kill it'. Bad choice of commands: I got it wrong once and he got zapped. Next thing I heard was 'I said kill *it* not *me*!'

Steve Wedge, W1ES/4:

Well, I can offer up a Bob story or two right here -- and feel free to copy...

(Grabs a refreshment)

I can't believe that Bob Wallace, W1HH, would have turned 100 this year but the year of his birth had briefly escaped me. I remember when he told me his age and, at the time, that made him approximately two years younger than my father-in-law -- who was born in 1918.

Bob was a great senior member of BARS and an all-around great ham (and human being). I'm sure that he had some say in

drafting me to be FD Chairman in 1984. Oh -- what I didn't know at the time! I had AJII's rather large and prematurely great boots to fill! Somehow, I managed to pull it off, and Bob helped (along with Bert, W1IHN, at the time).

I was in awe of Bob and the others in BARS who had been around for so long and who knew so much. I was a 28-year-old greenie -- running Field Day!

In 1984, Bob organized a trip with a few of us to go down to Newington and visit ARRL HQ. I rode with Bob in his Chrysler. I think that Al (then KA1FBY (SK), Dexter (KB1FX) and some others went along. I LOVED generating pileups from W1AW and I still have a 70th anniversary QSL card from 'AW as a souvenir.

As Bob got older, he couldn't climb towers anymore and contacted me one day, asking if I could help. He had that old windmill tower, next to the pool, in Chelmsford and I went up and fixed some antenna issues. He gave me a bottle of Crown Royal -- despite my protests. He told me that his doctor forbid him from doing any more tower-climbing and from drinking any more whiskey. He was probably my current age (64) at the time. I've been up on my tower recently but Pat, my XYL, doth protest too much and I think that my tower-climbing days are now officially over, as well.

I can remember Bob's talks at Boxboro about his antique broadcast radio collection. I was amazed, as slide after slide went by on the screen, with all of the stuff that he had!

I also remember that Bob -- ever the engineer -- worked satellite QSO's and had decent computer equipment in a time when most hams were still using paper and pencil. I tried to impress my dad to learn but, alas, my dad was a tradesman and to computers he could not go!

I remember sitting at the same table with Bob, and others from BARS, during the DXCC dinner. Bob was at the top of the Honor Roll and I was always in awe of that.

Rest in Peace, Bob. I count you as one of my longtime friends and was greatly saddened when you left us.

Feature Article: Bigshot Slingshot to launch a line for an antenna

By Jon Turner, AC1EV

I am fortunate that I have several tall trees at my QTH and decided to put an antenna up as high as possible in one of them. I did not have much luck throwing a line up and tried a wrist rocket slingshot, which was a little better, but not by much. I read about spud cannons used to launch a line up for an antenna and considered buying or borrowing one for the project. Around this time, I saw a device called an arborist catapult on a TV show about building treehouses and it intrigued me. It is heavy duty and can throw a 10 oz. or 12 oz. weight up 100 feet or more.



I found a deluxe kit on Amazon which contained the slingshot and trigger assembly along with spare elastic bands, throw weights, line, line bag and carrying case. It was not cheap, but was built robustly, to commercial standards and was eager to try it out. I did a few dry runs and learned that it could easily launch the weight 75 feet up. If the trigger assembly is set farther away from the head, the elastics can be stretched more and launch even higher.

An Important Word of Caution Here!!

This device is powerful and can cause injury if not used carefully. Read all the instructions, wear eye protection and like a gun, point it away from anything you do not want to break. I am 6'2" and 275 lbs, when cocking the elastics and straining against their pull this device lifted me from the ground and pulled me off balance with ease. My technique is improved now, but I have a lot of respect for the power and you should too.

[NOTE: Massachusetts law forbids making or selling slingshots but it is legal to possess them. See

<https://malegislature.gov/Laws/GeneralLaws/PartIV/TitleI/Chapter269/Section12>

Amazon generally does the right thing as far as not shipping products to a state where it is not allowed. Consult local laws before purchase and use. –ed]

End Fed Half Wave Antenna at 50 Feet

I previously used this line launcher to install a MyAntennas.com 8010 EFHW antenna in my NH QTH backyard with the end point up in a tree 50 feet high. I was happy with the performance there for 6 months until I tried working in the SSB DX WW contest. Prior to the contest I logged QSOs on 20 and 40 meters all over the US, South America, and Europe out to Moscow. 80 meters was limited to around 1500 miles or so. During the contest, I was having difficulty breaking pileups, so I decided to try and raise the tree end of the antenna.



Preparing to launch the line

The line hanging from the tree is what held the antenna at 50 feet. Once I shoot another line over the tree higher up, I will tie the line to the throw line and haul it up to the higher branch.

Since I was trying for maximum height on this launch, I moved the trigger assembly down on the shaft of the launcher a bit more than usual. It took serious effort to cock the launcher. Note, I am wearing eye protection and pointing the device away from my body.



Launching the line

I learned in my earlier experiences with the Bigshot Slingshot Line Launcher that it is important to untangle the throw line and carefully coil it into the throw bag so it will come out smoothly when launched. I also learned that the launch should be almost vertical to be able to get the maximum height out of it. Launching at 45 degrees or 60 degrees gets a long distance, but disappointing height. I think I was launching at 75 or 80 degrees here.



Success, the line is up around 70 feet in the tree.

These two pictures fully show the tree to give some scale to how high the end of the antenna is. In addition to the wire being high up in the tree, the ground below is particularly good, and I believe gives me some additional gain. It is wet and the area here was next to an ancient volcano that had a massive eruption 90 to 100

million years ago, so there are some heavy metals there. My Radon remediation device is visible in the last picture.



Finished Product

After I finished raising the antenna, I was eager to find out if it really was going to make a noticeable difference for me in the contest. It did! On both 20 and 40 meters, I was easily getting through in pileups, often on the first or second try. My first QSO on 80 meters was to Ukraine, close to 4000 miles away. Most recently, during the NH QSO party last weekend, I had replies to my CQ on 80 meters with only 100 watts from Italy and Uruguay.

Score - 6,400 Points				
Band	QSOs	Pts	Mult	Pt/Q
3.5	82	82	23	1.0
7	56	56	6	1.0
14	22	22	11	1.0
Total	160	160	40	1.0
Score: 6,400				
1 Mult = 4.0 Q's				

NEQP 2020 Low Power (100 watts)

This picture, looking South, shows the antenna feed point ~30 feet high at the house. There are three 10-foot chain link fence top rail sections attached to the corner of the house with a line holding the antenna. From there the ground slopes downhill around twenty feet to the base of a tree where the end of the 135-foot wire antenna is hung at 70 feet high. It is running North and South with a little bias to the West



Strays

Hello all,

I hope this email finds you well. You may recall that a couple of months ago, we had to take the online membership renewal form offline. Good news - It's back up and running again! If you need to renew your membership or if you know someone who is interested in becoming a member, they can now use our simple online form by going to W1HH.org and clicking the Join or Renew button in the menu. As a reminder, dues run January 1 through December 31.

73,
Kayla, W2IRY

Temporary Rule Waivers Announced for 2020 ARRL Field Day

<http://www.arrl.org/news/temporary-rule-waivers-announced-for-2020-arrrl-field-day>

05/28/2020

With one month to go before 2020 **ARRL Field Day**, June 27 – 28, the ARRL Programs and Services Committee (PSC) has adopted two temporary rule waivers for the event:

- 1) **For Field Day 2020 only, Class D stations may work all other Field Day stations, including other Class D stations, for points.**

Field Day rule 4.6 defines Class D stations as “Home stations,” including stations operating from permanent or licensed station locations using commercial power. Class D stations ordinarily may only count contacts made with Class A, B, C, E, and F Field Day stations, but the temporary rule waiver for 2020 allows Class D stations to count contacts with other Class D stations for QSO credit.

- 2) **In addition, for 2020 only, an aggregate club score will be published, which will be the sum of all individual entries indicating a specific club (similar to the aggregate score totals used in ARRL affiliated club competitions).**

Ordinarily, club names are only published in the results for Class A and Class F entries, but the temporary rule waiver for 2020 allows participants from **any Class** to optionally include a single club name with their submitted results following Field Day.

For example, if Podunk Hollow Radio Club members Becky, W1BXY, and Hiram, W1AW, both participate in 2020 Field Day — Hiram from his Class D home station, and Becky from her Class C mobile station — both can include the radio club’s name when reporting their individual results. The published results listing will include individual scores for Hiram and Becky, plus a combined score for all entries identified as Podunk Hollow Radio Club.

The temporary rule waivers were adopted by the PSC on May 27, 2020.

ARRL Field Day is one of the biggest events on the amateur radio calendar, with over 36,000 participants in 2019, including entries from 3,113 radio clubs and emergency operations centers. In most years, Field Day is also the largest annual demonstration of ham radio, because many radio clubs organize their participation in public places such as parks and schools.

Due to the COVID-19 pandemic, many radio clubs have made decisions to cancel their group participation in ARRL Field Day this year due to public health recommendations and/or requirements, or to significantly modify their participation for

safe social distancing practices. The temporary rule waivers allow greater flexibility in recognizing the value of individual and club participation regardless of entry class.

ARRL is contacting logging program developers about the temporary rule waivers so developers can release updated versions of their software prior to Field Day weekend. Participants are reminded that the preferred method of submitting entries after Field Day is via the [web applet](#). The ARRL Field Day rules include instructions for [submitting entries](#) after the event. Entries must be submitted or postmarked by Tuesday, July 28, 2020.

The ARRL Field Day [web page](#) includes a series of articles with ideas and advice for adapting participation this year.

BARS May Suggestions - Get-on-the-air Events

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
June 2	Worldwide Sideband Activity Contest New contest - Run by young hams. https://wvsac.com/rules.html
June 6-7	10-10 Int. Open Season PSK Contest
June 6-7	Kentucky QSO Party
June 13-15	ARRL June VHF Contest**
June 20-21	All Asian DX Contest, CW**
June 20-21	West Virginia QSO Party
June 20	ARRL Kids Day**
June 27-28	ARRL Field Day**
July 1	RAC Canada Day Contest**
July 11-12	IARU HF Championship**

** Top Recommendations for this month

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?mode=custom&week=current>

Secretary's Reports

from Scott Ginsburg, K1OA, Secretary

The BARS General Meeting, May 6, 2020, was virtual.

President Andy Wallace, KA1GTT called the Zoom virtual meeting to order at 7:00 PM.

Bruce Blain, K1BG gave a presentation on running a one person Field Day operation. He described a previous FD where he set up a portable station not far from his home. Bruce described some great techniques for installing antennas and station setup.

There were 28 attendees.

KA1GTT closed the meeting at 9:00 PM.

BARS Board of Directors Meeting, May 19, 2020

Board Members present: KA1GTT, W2IRY, W1LUS, WA1VAB, K1TWF, K1TW, K1OA

1. The Board voted to purchase a monthly Zoom Pro subscription at a rate of \$14.99/month. This will allow for up to 100 meeting attendees with a 24 hour meeting duration.
2. The Board voted to publish the names and callsigns of new members in the club newsletter.

BARS Membership

Bruce, W1LUS, our BARS Treasurer reports that as of June, 2020 we have 110 total members. The following 53 members were paid up as of the latest report:

First Name	Last Name	CALL	ARRL
Bruce	Anderson	W1LUS	Y
Jwahr	Bammi	K1JBD	Y
Erin	Bournival	K1ENB	Y
Douglas	Bruce	KC1MJK	Y
Mark	Callahan	KC1KBC	
Ken	Caruso	WO1N	Y
Erving	Chamberlin	N1ECC	Y
Henry	Christle	WA1VAB	Y
Kayla	Creamer	W2IRY	Y
Michael	Creech	KD1VY	Y
Josph	Curran	W1MGB	Y
Guy	DeMartinis	AC1BJ	Y
Jim	Evans	N1HTS	Y
Kevin	Fallon	KB1KTR	Y
John	Fisher	KC1FTJ	Y
Al	Franca	KC1LLW	Y
Gary	Frascarelli	W1GFF	Y
Robert	Galante	WA1PWZ	Y
Scott	Ginsburg	K1OA	Y
Dale	Goad	KB1BEE	Y
Paul	Graveline	K1YUB	Y
Tom	Gray	K1THG	
Niece	Haynes	KA1ULN	Y
Sidney	Johnston	AB1NZ	Y
Chris	Lobdell	KC1IUK	Y

Doug	MacAloney	KC1HOK	Y
Brenton	MacAloney	KC1KOV	N
Leandra	MacLennan	AF1R	Y
Benjamin	Martin	W1BPM	Y
Donald	Melanson	W1DM	Y
Matthew	Murphy	KC1KHN	
Peter	Norden	N1ALO	Y
Kenneth	Olson	W7LSG	Y
James	Osborn	KB1SEQ	Y
Paul	Pellegrini	K1VK	Y
Charlie	Pestia	W1CEP	
Bruce	Pigott	KC1US	
Art Pizer	Pizer	NF1A	Y
Don	Price	KB5VP	Y
Mike	Raisbeck	K1TWF	Y
Bob	Ravenstein	W1FDR	Y
Kyle	Rogers	KC1IHN	Y
Steven	Schultz	AC1EX	Y
Paul	Simpson	N1CLN	Y
Peter	Skrypczac	W1SEF	
Robert	Sparkes	KC1KVY	Y
Mark	Sullivan	KC1FYU	Y
Daniel	Trainor	WA1QZX	Y
Jonathan	Turner	AC1EV	Y
Andy	Wallace	KA1GTT	Y
Marla	Wallace	WA1GSF	Y
Tom	Walsh	K1TW	Y
Christopher	Wood	KC1GHR	Y

2020 BARS Member Dues

The BARS Board has changed the policy on member dues. A \$15 annual BARS membership now runs from January 1 and expires on December 31st. Any renewal or new membership made after September 1 will be valid until December 31 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 June, 2020

from Bruce Anderson, W1LUS, Treasurer

Reminder: 2020 Dues were due starting January first.

So far 53 members have renewed for 2020 (see list, above).

Bars now has a Zoom license at \$15.93 per month.

Through mid May we had two membership renewal for \$26 income. PayPal expenses were \$1.36 We now have \$423.70 in the Bank and \$498.77 in our PayPal account for a total of \$922.47

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 Chris, KC1IUK. Also, the club needs volunteers for light tasks of ~ 1 hour a month. Are you able to pitch in? Contact Andy, KA1GTT

Wednesday Night Net

Note: because we will be holding our virtual General Meeting, there will not be a net on June 3rd.

Join us on the Billerica 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).

Repeater info:

147.12 MHz

+600 kHz (normal) offset

Encode CTCSS 103.5 Hz

Club Meetings

NOTE: Physical Club meetings are replaced by video Zoom meetings until the COVID19 Emergency has passed.

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 \(map\)](#)

VE Sessions

NOTE: VE sessions are suspended until the COVID19 Emergency has passed.

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 \(map\)](#)

Club Breakfast every Saturday

NOTE: The Club Breakfast is suspended until the COVID19 Emergency has passed.

On Saturday mornings around 8:15AM, we also meet weekly for a casual, social breakfast at [Stelio's](#) restaurant. [Stelio's Family Restaurant, Billerica, MA \(map\)](#)

Future Meetings

NOTE: Club meetings are suspended until the COVID19 Emergency has passed. The 6/3 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 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

BARS Leadership Team

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Vice President: Kayla Creamer, W2IRY

Treasurer: Bruce Anderson, W1LUS

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Net Coordinator: Chris Lobdell, KC1IUK

Newsletter Editor: Marla Wallace, WA1GSF

BoD: Mike Raisbeck, K1TWF

BoD: Henry Christle, WA1VAB

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