

BARS Billerica Amateur Radio Society

NEWS FOR AND BY BARS MEMBERS

JUNE 2025

For the summer, BARS meetings will only be on Zoom.

The safety and well-being of our membership is important to us. Those members who feel uncomfortable attending in person can continue to join us over Zoom.

--BARS Management.

A Message from the President

By Doug Bruce, N1WRN

Greetings, Fellow Members,

I hope everyone is enjoying the fine weather the last few days here in New England in late Spring. The band conditions have been marginal lately to say the least. This, by no means, should deter anyone from getting on the air and giving it the old college try. You just never know when that rare DX station will be on the air for an ATNO (All Time New One) for you.

Speaking of ATNO's I recently read an article recently detailing the 3Y0K DXpedition to Bouvet Island coming up in early 2026. I saw that they will be having three helicopters making the trip, as well as a plan to set up two stations to make contacts. They will be going back to the Cape Fie camp location (which they used in 2023), and a second camp to be set up on the northwest corner of the island. The Cape Fie site was great for contacts to Africa and Europe, but was not so good to North and South America. The hope is that the second station will be much more effective towards the Americas. My Elmer was able to work them on 9 bands last time, but I was only able to decode them on FT8, but my signal was not enough to cut through the pileups. Hopefully this time I will be able to work them with my 160m T Top vertical antenna.

On another note, I am very excited about the upcoming Field Day event for the Club. Nan has graciously allowed the Club to have our 2025 Field Day at her house in Chelmsford. The Club

was in a bit of a predicament, as we found out that we need to take our equipment out of the Billerica Emergency Management garage, as they will be tearing it down in the near future as they will be building a new and improved site going forward. So, on a whim, I emailed Mike K1TWF, and when I saw him and Nan at the next BARS breakfast at Stelios, they enthusiastically said yes to hosting the event.

As Mike and I were leaving Stelio's that day, he looked at me and said "Let's make this a fun and great Field Day!" This spirit and offer is what ham radio is all about. As I have said many times here in this space, ham radio is not just about the equipment and making contacts, it's about the people, and Mike and Nan are two of the finest people this hobby has to offer. My hat's off to both of them for this generous offer of their time and energy to host the Club's biggest event of the year. We are fortunate to have you both as B.A.R.S members.

Speaking of the ham radio spirit, I encountered more of this spirit as exhibited by Andy, KB10IQ. For a while now, I have been trying to acquire a solid-state amplifier. I finally found the one I want as my forever amplifier (The Yaesu Quadra!) and the gentleman that I was buying it from was going to attend Hamvention out in Xenia OH.

It just so happened that Andy and I got into a conversation the night Andy presented his Linux talk to the club, and low and behold, Andy was also going to Xenia. I put two and two together and asked Andy if he could do me a favor. I gave him the \$ for the amplifier and he was able to meet up with the ham selling the amp and Andy was able to save him about \$150 in shipping by bringing the amp back to me here in MA.

Andy went above and beyond the call of duty with his act of kindness. I am happy to treat him to a nice breakfast at the next BARS breakfast at Stelios when he is available to attend! Kudos to you Andy. People like you make this hobby great!

In closing, I hope that everyone is able to get on the air in some way, shape or form before Field Day, so that we can set a new

record for the Club for QSO's at Field Day. It would be great if we could top the 1000 mark this year. We came oh so close last year so I am confident that we will break through and far surpass the 1K in QSO's mark this year at Field Day.

Until next time,

73, Doug N1WRN

Next BARS meeting: June 4 at 7:00 PM - But the Program is TBD

Speaker: TBD

[As of press time, Doug is still trying to arrange a program for the June meeting. Our scheduled speaker had to cancel at the last minute, but will be available for July instead. -- ed.]



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 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 there on Wednesday, 6/4, at 1900.

Doug, N1WRN President, Billerica Amateur Radio Society

From the Editor's Desk

By Marla Wallace, WA1GSF

Your editor spent the last couple of weeks at the beach (in Hawaii) instead of working on the newsletter. So this edition is going to be a little late. Sorry – not sorry.

Feature Article: Ham Radio Goes to the Dogs (and Cats)

By Caryn Eve Murray, KD2GUT

When a group of radio operators begin calling "CQ International Dog Day" in August, they're not just looking for QSOs. They are in search of people who have room in their hearts to help the abandoned, abused and homeless dogs around the world in whatever way they can. These dozen or so special event operators know the power of rescue because they've been deeply involved in it themselves: Hanz YL3JD and his wife opened their home – first in Holland, later in Latvia – and have given needy dogs a second chance at a new family. In Australia, and later in Germany, Ed DD5LP and his wife discovered – several times – that their household was incomplete without canine company. Many of the other operators' rescued dogs were adopted after hard lives on the street; others were at the pound, hours away from being euthanized.

International Dog Day (and in the US, National Dog Day) is August 26 every year. The tradition was created by US pet advocate Colleen Paige as a day to recognize the needs of society's unwanted and cast-off dogs and affirm the commitment to adopt, donate or raise awareness of their special needs.

Hanz amplified the original message by adding an amateur radio component in 2022, taking the special event callsign YL1DOG and operating as a single station. The following year he was joined by Chris, G5VZ, and David, G4YVM, in the UK.

By 2024, a team of eight US rescue-dog advocates, operating as K2D, had come on board. This year is the biggest yet, as hams in Germany and other countries run with the pack. All operators will be looking to hear from dog-lovers and supporters in either CW or SSB on HF, on VHF/UHF simplex, or via DMR and Echolink.

The international team has added incentive certificates, including special endorsements such as "Full Kennel," the equivalent of a clean sweep. Their website, dogdayradio.org, is updated regularly with the operators' special event callsigns, their operating schedules, a chance to meet the dogs who inspired them and hear their stories.

In case you are wondering where the cats are – well, they're running ahead of the dogs! International Cat Day will be operating as a separate event, two weeks before the Dog Day

operators get on the air – and they will be carrying a similar message for cat-rescue awareness. See catdayradio.org for details.

For live updates of both events, to search for the different callsigns, to see the operators' schedules or to apply for and download award certificates visit these links when they become available:

https://hamlog.online/icd https://hamlog.online/idd

Meanwhile, be aware that all special-event operators will be working like dogs – and why not? – because they want to hear and share as many rescue stories as they can.

If you have any questions at all, please don't hesitate to contact me at this email address.

73 with big thanks in advance, Caryn Eve Murray KD2GUT United States Team Leader for K2D

Feature Article: Field Day Reminder

By Mark Nelson, KA1INE

It's that time of the year again to look forward to Feld Day which is right around the corner! It will be held over the weekend of June 28th and 29th. For new hams who may not know about Feld Day, it is a chance to hone your operating skills making as many contacts as possible within a 24 hour period. The contest extends across the whole country and Canada and gives the club a chance to work together as a team. It's a great event to practice setting up antennas and equipment for emergency communications.

In past years we've held the event at the Billerica Emergency Communications Center (EOC). They have indoor facilities, generators, and sleeping quarters, and have been gracious in allowing us to store some equipment there from year to year. There have been requests made to again have access to the EOC, but we have been told it will be unavailable this year. There have been some changes made at the location, so we have had to seek an alternative site this year. Nan has graciously allowed the Club to have our 2025 Field Day at her house in Chelmsford.

Kevin Fallon, who is our liaison and safety officer between the EOC and BARS, also a BARS member, has also said that the equipment stored there should also be relocated after this year's Field Day.

Generally, we have a few people meet on the Friday before field day to inspect the antennas and raise the 80 Meter dipole. Saturday morning, we also need volunteers to build the beam antenna and to set up the radios to begin operating at 2:00. On Sunday we'll also need a team to help break down the equipment after the operation ends. As you can see, it takes a good team to make all of this happen so please volunteer to be on one of these teams.

We're also waiting for further confirmation of who will be providing the food and to act as the group chef. If this is of interest to anyone willing to help make it a success, then please contact me at my email address below.

The main objective is to get the group together to operate different equipment, meet new people and most of all have fun making contacts. It's always the highlight of the year and we look forward to everyone joining us.

Thank you! Mark Nelson KA1INE@ARRL.net

Announcements

Looking for operators from New Hampshire to join the K2K team

I'm excited to invite you to be an operator of the K2K team from New Hampshire for the 13 Colonies Special Event, taking place July 1–7, 2025!

This annual event, which celebrates the original 13 American colonies, is a fantastic opportunity to engage with fellow amateur radio operators from around the world, enjoy the camaraderie and teamwork of the K2K team, and contribute to a memorable and historic event.

We welcome operators of all experience levels and will provide the support and guidance needed to make the experience both successful and fun for everyone.

To confirm your participation, please send a quick email to k2k@hamlog.online

Feel free to share this invitation with your fellow amateur radio friends who might be interested in joining the fun!

Looking forward to hearing from you!

--

73 de W1UAA, Eugene K2K manager

The Northeast HamXposition is coming soon!

(This is what many of us old-timers remember as Boxborough.)

We are working hard to improve HamX by bringing in more vendors, more sponsors, better forums, a better flea market, and great prizes. We also need help from clubs to promote HamX within the local clubs. We need more participation that gets more vendors excited to attend.

For example, the Friday night DX themed banquet is sponsored by DX Engineering this year. DXE has donated a \$3300 Icom IC-7610 HF transceiver.

As of now, there is \$8000 in door prizes to be awarded, and we expect more. If you attend Saturday night's banquet, you could win a Yaesu FT-710 Field. There are some great prizes that will be awarded at Sunday afternoon's door prize drawings, too.

We need your help publicizing HamX and urging your members to attend. [therefore, we are running this announcement in the BARS newsletter through the August issue – ed.]

Larry, W1AST

Chair, HamXposition Marketing & Promotion

Chair, HamXposition Prizes



Strays

Becoming an ARRL member or is your membership up for renewal?

One of the benefits of being an ARRL Affiliated Club is a commission for recruiting new ARRL members and securing timely ARRL member renewals.

Each new ARRL member earns the club a \$15.00 commission. New members are defined as never having been a member or a returning member that has not been a member for two years. Each renewal earns the club a \$5.00 commission. There is no limit to the amount a club can earn in this program.

Multiyear memberships earn only one commission. Life, Family, International, Blind, and Student memberships are not eligible for a commission. The member will not be eligible to receive a gift or incentive if the club collects a commission on the membership.

Currently at least 82 BARS members are also ARRL members. If we all renewed through the club, we could potentially receive \$410 per year from the ARRL.

If you are interested in renewing your ARRL membership through the club fill out the following form ARRL Affiliated

<u>Club Membership Application (pdf)</u>. Then forward it to W1LUS@hotmail.com

Making ZOOM available to Elmers

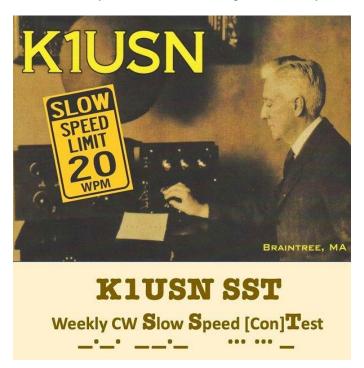
In this time of social distancing, we have been using Zoom for our monthly club meetings. I have been thinking that Elmers could also be using Zoom to coach new hams instead of actually going to visit with them. Elmers could perhaps help with programming a new radio with the new ham sharing their computer screen and the Elmer helping to walk them through the process. An Elmer could have Zoom on their cell phone and show a new ham how their shack was set up. 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, with a date and a time and a meeting will be setup for you. You may also contact Bruce if you would like training in using Zoom to Elmer someone.

--de Bruce Anderson, W1LUS

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.klusn.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

Another recurring event:

Straight Key Century Club (SKCC) Weekend Sprintathon – the Saturday following the 6th of every month at 1200 UTC http://www.skccgroup.com/operating_activities/weekend_sprintathon

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.

[The \$35 FCC application fee applies to new, renewal, rule waiver, and modification applications that request a new vanity call sign. The fee will be per application.

Administrative updates, such as a change of name, mailing or email address, and modification applications to upgrade an amateur radio licensee's operator class or to request a sequentially issued call sign, are exempt from fees. – ed.]

-- de Bruce, W1LUS

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 the way online exams are run.

--de Bruce Anderson, W1LUS

Secretary's Reports

from Marla Wallace, WA1GSF, Secretary

May 7th General Meeting Minutes

Doug called the meeting to order at 7:08 PM.

- Announcements, discussion and club business:

 The Field Day site will be at Nan's we had to vacate
 - No one stepped up to organize or operate the Parks on the Air operation we were considering doing in May, so that's canceled.

the Billerica Emergency Management Garage site.

- The May VE exams are tomorrow (Thursday, May 8th).
- Club meetings will be Zoom-only for June, July and August.

The program started at 7:20 and ended at 8:40. There were 12 participants on Zoom.

The meeting adjourned at 8:45.

May BARS Board of Directors Meeting

There was no Board of Directors meeting in May.

BARS Membership

Our current combined membership is 158. There are thirteen members that haven't renewed for 2025.

Anyone with a question about their renewal status can email me at <u>W1LUS@hotmail.com</u> to get your current membership status.

from Bruce Anderson, W1LUS, Treasurer

2025 BARS Member Dues

A \$15 annual BARS membership begins on January 1st and expires on December 31st. Any renewal or new membership made after September 1st will be valid until December 31st of the following 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 2025

Dues for 2025 are now due. Dues for 2025 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,
- with credit card by using the Join/Renewal membership form on the W1HH.org website,

 or with cash or check by mailing \$15 to Billerica ARS, 16 Regis Road, Tewksbury, MA 01876

In May, we had one new membership for \$15 income. Our expenses were Zoom \$16.99, PayPal \$1.01. We now have \$676.76 in the bank and \$1905.12 in our PayPal account for a total of \$2581.88.

Bruce Anderson W1LUS

BARS Does breakfast every Saturday.

On Saturday mornings at 8:15AM, we meet for a casual, social breakfast at Stelio's restaurant in Billerica.

Stelio's Family Restaurant, Billerica, MA

Photo Feature: From the Mailbag

This month's QSL card is from our President, Doug Bruce:



What interesting/meaningful cards have you received? Send a scan of them to kldc.radio@gmail.com (who instigated this new column), or directly to me (see the masthead for my email address), and we'll share them with the group. Extra credit if they have a story to go with them!

June Get-on-the-Air Suggestions

from Andy Wallace, KA1GTT

KA1GTT Andy Wallace here. I am offering my input for this month's Get on the Air column for June. These are contests which can be on HF or VHF/UHF, and may be SSB (voice), CW (Morse code) or digital (FT8 etc) modes. If you are a beginner, contests can still be a lot of fun. Most of the time the rules expect you to submit electronic logs of your activity, but I know hams who simply want to exchange QSLs for confirmation.

Contests can be frantic - rapid exchanges (what info the stations pass back and forth) and careful rules of engagement. But others are more casual. It always helps to tune in stations and listen to the exchange and get a feel for the methods.

One of the best resources for finding out what contests are upcoming is the WA7BNM website and his 8-day contest calendar at:

https://www.contestcalendar.com/weeklycont.php

This gives a snapshot of the next 8 days and you can instantly see what contests are longer term (like across weekends) and thus more popular.

The 12-month calendar is excellent for getting a snapshot of an entire month in advance. Surprisingly, I find it has more contests listed than the "Perpetual" site view. The 12 month is what I used to compile this month's hot contests.

https://www.contestcalendar.com/contestcal.php

Of note: contests are listed in UTC (Coordinated Universal Time or Greenwich Mean Time or Zulu) day and date. This is the time going through the 0-degree meridian (Greenwich, U.K.). If you are new to hamming you need to know hams historically use UTC to align with hams around the world in a way that being on the air at a certain time is simple. We're in Eastern Daylight Time right now, so that means UTC is 4 hours ahead of us. 0000Z being midnight Zulu/UTC/GMT translates to 8:00 PM EDT. So taking for example the May 10-10 contest listed in the May edition of the newsletter, the start of the contest was 00:01UTC May 3 (Saturday). Subtract four hours and you better have your rig ready at 8:01PM EDT Friday evening. Get it? And for Eastern Standard Time we'd be 5 hours behind.

Here is KA1GTT's list of top contests for June 2025 - and please remember these are best-guesses on my part.

1. Atlantic Canada QSO Party

https://acqp.contesting.com/ 1200Z, Jun 7 to 0200Z, Jun 8, 2025

Exchange: VE1/9,VO1/2,VY2: RS(T) + province + county/division; Non-VE1/9,VO1/2,VY2: RS(T) + (state/province/"DX")

Comments: Atlantic Canada stations are located in the provinces of Newfoundland, Prince Edward Island, New Brunswick, and Nova Scotia. Amateur Radio prefixes (VO1/2, VY2, VE9, and VA/VE1). Rack up those provinces! We've got the advantage being close (New England)

2. ARRL June VHF Contest **

 $\underline{https://www.arrl.org/june-vhf}$

1800Z, Jun 14 to 0259Z, Jun 16, 2025

Exchange: 4-character grid square

Comments: go here and look up your grid square: https://www.levinecentral.com/ham/grid square.php

Then get on 50, 144, 220, 432 or higher MHz!

3. Kentucky QSO Party

http://www.kyqsoparty.org/rules/

1300Z, June 7 to 0100Z, Jun 8, 2025

Exchange: KY: RS(T) + county; non-KY: RS(T) +

(state/province/"DX")

Comments: official contest food is fried chicken, I am

sure.

4. SKCC QSO Party

https://www.skccgroup.com/operating activities/QSO Party/

1200Z, Jun 21 to 2359Z, Jun 22, 2025

 $Exchange: \ RST + (state/province/country) + Name + \\$

4-Character Grid Square

Comments: The Straight Key Century Club is a respected club for CW (slang: Morse Code) enthusiasts. The idea is to get on CW without using an electronic keyer. Use an old school manual straight key or "bug" and enjoy yourself. Those of you using mostly FT8 or SSB, would you like to learn CW? BARS has tried to encourage CW activity in the past. I find CW relaxing and enjoyable.

5. West Virginia QSO Party

https://www.qsl.net/wvqp/

1600Z, Jun 21 to 0400Z, Jun 22, 2025

Exchange: WV: RS(T) + county; non-WV: RS(T) + (state/province/country)

6. Stew Perry Topband Challenge

http://www.kkn.net/stew/

1500Z, Jun 21 to 1500Z, Jun 22, 2025

Exchange: 4-Character grid square

Comments: So many hams neglect 160m, the band we have between 1.8 and 2.0 MHz (and we have had it since the dark ages - in fact we were "thrown out" of the broadcast AM band in the 1920s and relegated to the "trash" 200m band because they thought we'd have no luck on what became HF and ham radio would die out. Operating on 1.8 MHz can be a challenge: local RF noise, propagation issues, thunderstorms, and the fact resonant antennas are 200+ feet long. BUT! Get on and try it. NOTE: this contest is CW only.

7. ARRL Kids Day

http://www.arrl.org/kids-day

1800Z-2359Z, Jun 21, 2025

Exchange: name + age + QTH + favorite color

Comments: OK, those of you frustrated because there's not enough YOUTH interested in ham radio - here's your chance to fix that. Get a grandkid on the air with you! The exchange has your favorite color.... how fun is that? Bonus points for "mauve" and "puce".... well not really.

8. ARRL Field Day **

http://www.arrl.org/field-day

1800Z, Jun 28 to 2100Z, Jun 29, 2025

Exchange: W/VE: Number of transmitters (see rules) + Operating class + ARRL/RAC section

Comments: THIS IS THE BIG ONE, FOLKS! BARS will be setting up for Field Day again - see the newsletter for info. Not officially a contest, Field Day is an emergency preparedness exercise that is run like a contest. Stations set up in the field (literally; outdoors), running on emergency station power, and low in RF watts, can score the most points. But even if you are in your home plugged into the AC outlet it is still a BLAST to get on. You will hear wall to wall signals on every band (except WARC: 5, 10, 18, and 24 MHz).

** Top recommendation for this month

Reminder: details on each of these contests above – and more events – can be found every week on the WA7BNM contest calendar at:

https://www.contestcalendar.com/weeklycont.php?mo de=custom&week=current

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 about 1 hour a month. Are you able to pitch in? Contact Doug Bruce, N1WRN.

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

Reminder: "kerchunking" the repeater is not only impolite, it's illegal. It constitutes an unidentified transmission. If you need to check that you're making the repeater, say something like "This is <your call> standing by on the frequency." Thanks for your courtesy.

Club Meetings

Club meetings are held in person (weather permitting) and via Zoom. A link will be sent via the BARS email reflector to all currently paid-up members who might wish to attend via Zoom.

Club meetings are held on the first Wednesday of the month at 7:00 PM Eastern time.

VE Sessions

Our VE sessions are held in-person at the Chelmsford Bible Church. Pre-registration for our in-person exams is suggested. Contact wlus@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)

VE Session Report for May 2025

We had three people show up for the May 8th VE exam session. Results were one General upgrade and two Extra upgrades.

Our next exam session will be on June 12 at 7:00 PM at the Chelmsford Bible Church. Thanks to Gary W1GFF, Shawn N1CVO, Jwahar WS1M, Peter N1ALO and Bill W1ZL for their help conducting this exam session. While walk-ins are still welcome it speeds the process up if you pre-register for your BARS VE exam session at HamStudy.org.

--de Bruce Anderson, W1LUS

Future Meetings

The next BARS General Meeting will be held via Zoom *only* on July 2nd at 7:00 PM. A Zoom link will be sent in the club email feed prior to the meeting.

Subscribe to the BARS Mailing List

To subscribe to the BARS email list, send a blank email to <u>bars-subscribe@w1hh.org</u> 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

OFFICERS:

President: Doug Bruce, N1WRN Vice President: Mark Nelson, KA1INE Treasurer: Bruce Anderson, W1LUS Secretary: Marla Wallace, WA1GSF

BoD: Bill Poulin, WZ1L BoD: Steve Wedge, W1ES/4

Ex Officio: Gary Frascarelli, W1GFF

VOLUNTEERS:

Net Coordinator: Doug Bruce, N1WRN Newsletter Editor: Marla Wallace, WA1GSF New Member Outreach: John Fisher, KC1FTJ Field Day Chair: Mark Nelson, KA1INE

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