



The Compass!

Official Newsletter of the Great South Bay Amateur Radio Club, INC.

January 2018

Volume 46

#1



Next General Membership Meeting: Thurs., Jan. 25th, 8 PM

**GSBARC Free Ham Radio License Classes!
Amateur Extra License Class Begins Feb. 6th, Tuesdays from 7 - 9:30 p.m.**



Long Island's Friendliest Amateur Radio Club!

President's Message



Happy New Year everyone! I hope you had a great holiday season with family and friends. I know some of us did get some new equipment and other ham radio items. As we start the New Year, it has been a little cold so I hope you all are staying warm. Our board meeting was cancelled due to our area turning into a marshmallow world. Ham Radio University was held on Jan. 6 and it was great to see so many Great South Bay members there. If you missed it, the new venue was great. The forums were all great and we were happy to see the VE team from WECA. Lou NO2C did a terrific job running the VE session. Thanks to the whole VE team for doing such a wonderful job. I was glad to see a good turnout in spite of the extreme cold. It is always good to see our Hudson Division Director Mike N2YBB and our SM Jim W2KFV. Tom KA2D was HRU chairman once again and did an amazing job. The operators on the air at the Special Event Station did wonderfully as well: Salli K2RYD, Tom KA2D, myself and others had the privilege of being part of that and it was a lot of fun. Of course I cannot forget to thank Kerri KC2QXI, Jackie KD2EXN, Donna KA2KZT and Adele WB2OQQ the wonderful team of ladies at the door greeting everyone with a smile. We are grateful for all the help you gave. We had a couple of members doing presentations: Bill WB2QGZ, who is always a great resource for information, wound up doing two forums – both of them outstanding! One was done off-the-cuff and as per Steve N2PQJ it was awesome. He provided a lot of information about DMR. I also received a great report from Salli K2RYD on the YL Forum that was done. She said that Caryn KD2GUT and Diane K2DO did a great job running that forum. I also heard from a number of people that John K2IZ did an awesome job in the MARS Forum. We had a good number of people stop by the club's information table and ask a lot of questions fielded by John W2JGH, Jeff N2OEP, Kevin AB2ZI, Phil KD2GFO, Mike KC2OLA and Ben K2CPU.

We have a few things going on this month. We have our annual Winter Night Out on Jan. 20. That's a Saturday night. If you have not signed up to go, please do so by Jan. 17. We need to give a head count to the venue. Please see our website for all the details. You can pay via the PayPal link on our website or at an open house or meeting. Then we have Winter Field Day at the EOC, which will be Jan. 27 at 2 p.m. until Jan. 28 at 2 p.m. We will be running two – maybe three – stations, all modes, so we will need operators. The more operators the better so if you have some time to help please come on down and have some fun.

I need to stress something here for all members who belong to ARES: Your stations need to get up to speed with the rest of the members of ARES. What I mean is this: Digital modes are taking off like crazy. Please if you need help, let us know. A lot of the newer radios with a USB port do not need an interface which makes it easier to get up and running. The same for RACES members: You need to get up to speed! If you have not done so it is important to stay involved and to practice over and over till we all get it right. As we have seen, we need to make sure everything we do works smoothly so we can show anyone at any moment what we can do.

We still have a lot of open projects to complete in the next few months so we need to start wrapping them up and getting them done. To the crew that has been instrumental in all the projects during the past year, I tip my hat and say thank you so much. Many of you do not know the time and labor that a small crew of members do for us all -- Ed KD2ADC, Bill WB2QGZ and Pres W2PW.

To our education chairman Kevin AB2ZI: You have done an exceptional job with so many people who have come down to all your classes. To all members – and anyone who wants to learn or brush up on some knowledge -- you can always attend any of his classes but please remember that other people are there to learn for the first time so please don't disrupt any classes. Just sit back and let the information soak in. If you don't understand something, ask! We have a good number of experienced members who can help you, whether need help with logging or how to operate something. Bob K2TV along with a whole host of Extra Class operators will help you and advise you. I know a few of you have had the antenna crew led by Mike KC2SYF over to help you with antennas. Thank you Mike and team for the terrific antenna installations you have done this past year. If you need help let us know.

We will be doing a lot of work in the next few months to finish up our new repeater for all to enjoy with some new features and bells and whistles. As I wrote this message it was 4 degrees with a wind chill of minus 2.7 degrees. I hope everyone's boilers could keep up with extreme cold temperatures. This was a tough one for sure. I hope to see you all at the Winter Night Out -- always a fun night, and we'll have door prizes.

Did you get to work K2BNL, the special event call? If you did, you most likely worked Salli on SSB and Lou NO2C on CW or a digital mode. I got a wonderful email from the Brookhaven Nation Lab's club. Here it is you all to see:

To All,

I wanted to give you all a summary of our Special Event. We designated Summer Sunday on July 16 and the week following as our operating time for this event. The goal was to work as many contacts as we could and offer our 8-1/2 x 11-inch certificate designed by Joe AC2ND and created by graphic arts. Attached is a copy of one of my contacts from home with K2BNL.

Since we logged only a few contacts during our one week of operations, we decided to keep going until the end of the year. Enter Lou NO2C and his wife Salli K2RYD! They began posting spots on the internet of their operation as K2BNL. Salli is a top-notch phone operator and contester. As we ended our special event on Dec. 31, 2017, our logs showed 3,411 contacts from Long Island to Australia. I will send a separate email with the spreadsheet of states and countries worked. This turned out to be a huge success. We made contact with several other national labs and people who used to work here or had family that worked here in the past. More than 3,000 of the contacts were made by Salli and Lou – thanks to you both.

So I think it was a very worthwhile event. K2BNL became world-famous for a few months in amateur radio. There were contacts on phone (SSB), CW, DMR, UHF and a couple by yelling out the window LOL. Great job to all involved. It was a blast. I designed an application that Frank Donato – KD2FEY programmed that made our certificate available via the web for downloading. This saved on printing and postage costs, which would have been significant given the number of contacts we logged. About 800 certificates were retrieved electronically.

Now we have to come up with another occasion to have a Special Event Station – LOL

Happy New Year 73,

Nick – KF2P

Don't be shy! Come to the events and meetings and open houses! Remember, this is your club. Come on down and have some fun. If there is anything you would like to try, let us know. Also, if you need help, let us know too. Our club is into everything related to amateur radio from VHF/UHF, HF, SSB, CW, digital modes and satellite communications. Emergency communications, project building and if you need help programming a radio we can even help you with that as well. Our EOC is equipped to do so many wonderful things. If you have not stopped by in a while, you will have to see all the cool equipment we now have, from

the Flex radio HF station to the Icom 7600 radios and the D-STAR radios. Sometime in the future, we will be setting up a permanent satellite station. We just have to do some research on some antennas that will not be overbearing as we have limited space to deal with. The executive board and board of directors are trying to do what is best for our great club. Your input is a very valuable way for us to do this. As I have said for many years now, it is a great pleasure to be the president of such a well-rounded club. We have so many friendly and active members that help make it that. If it wasn't for all our wonderful members doing this, it would not work at all. I know for some of you, our club is like a second home or family. I wish you and your families the very best for the year ahead. Let's keep working together to have the most fun we can have. It's all about the teamwork everyone working together for a great club and an awesome 2018.

73. John Melfi, W2HCB 

GSBARC Winter Night Out

January 20th, 2017

5 PM to 9 PM

at:

Goccia D'Oro II

485 W. Montauk Highway

Lindenhurst, NY 11757

\$50.00 per person.

***Payment can be made at
any club meeting or open
house by cash or check or
use [PayPal on line](#)***

What the heck is the ARRL Board thinking?

By Dan Romanchik, KB6NU



About a month ago, I received an email from the ARRL. Attached were minutes of a Special Board Meeting of the ARRL Board of Directors (<http://www.kb6nu.com/wp-content/uploads/2017/11/Minutes-of-Special-Board-Meeting-ARRL-Board-of-Directors-1.pdf>) held by teleconference on Tuesday, November 14, 2017. At first, I didn't think much of it, but after reading the minutes, I thought to myself, "What heck are these guys thinking?"

What the minutes document is the censure of Dick Norton, N6AA, for "criticizing publicly the collective action of the Board of Directors adopting said Code of Conduct[sic] and drawing the Board's collective decision making into disrepute." I won't quote the whole thing here, but you can find the text on my website at <http://www.kb6nu.com/heck-arrl-board-thinking/>.

So, what is this ARRL Code of Conduct? Its official name is the ARRL Policy on Board Governance and Conduct of Members of the Board of Directors and Vice Directors, and the board adopted this code at the January 20-21, 2017 board meeting. You can find this code on the ARRL website at [http://www.arrl.org/files/file/ODV/ARRL Code of Conduct.pdf](http://www.arrl.org/files/file/ODV/ARRL%20Code%20of%20Conduct.pdf).

To be fair, this document does include some good things, such as acting responsibly when it comes to ARRL financial matters and treating ARRL staff with respect. What seems to be questionable, and the reason for N6AA's censure, however, is Section 8 Support of Board Decisions. I won't quote the entire section here, but basically what it says is that an ARRL board member must accept and publicly support board decisions, even if they voted against it. If they express any dissenting opinion about a board decision, they can be censured, as N6AA was in this case.

In effect, this is a gag order on a director if he disagrees

with a Board decision. Not only that, this section seems to say that once someone gets elected to the Board, his allegiance to the Board is more important than the views of the amateur radio operators he represents.

One of my Twitter followers put it this way, "Where else can those ostensibly in a position of representation of the organization's members be punished for publicly criticizing the organization's rules? US Congress? Parliament of the UK? No, and no. @arrl board is looking more like North Korea than a representative body." Seriously, can you imagine if the U.S. Congress had such a policy in place?

What did Norton actually do?

I emailed Norton to find out what he said exactly to bring on this censure. Understandably, he was a little hesitant to speak to me directly. I then asked if I could see the supporting statements.

I then received two emails. The first was from Mark Weiss, K6FG. His email contained the text of an email he sent to the ARRL Board of Directors. A second contained an email sent to the board by Tim Duffy, K3LR, the owner of DX Engineering. Both emails supported N6AA, noting that he stated that he supported the board action and that any opposition came from the audience and not from Norton.

So, I go back to my original question. What the heck is the ARRL Board thinking, first in passing this draconian ARRL Policy on Board Governance and Conduct of Members of the Board of Directors and Vice Directors, and second in using it to censure a director, who, according to several accounts, didn't commit the infraction in the first place? Are they so insecure in their decision-making that they have to resort to gag orders like this? Don't they see that taking actions like this brings them more "disrepute" than an honest dissenting opinion?

If this situation angers you as much as it does me, I encourage you to contact your director and make your feelings known. One of my blog readers suggests that your message be "short, non-aggressive, and

to the point." He suggested the following:

Dear [your director's name here]

I am unhappy with both the ARRL Policy on Board Governance and Conduct of Member of the Board of Directors and Vice Directors (aka the "Code of Conduct") and the N6AA censure.

I want to freely discuss issues with our directors. I want our directors to tell me where they stand, not where the board stands.

I want the directors to be free to express their opinions and to know how they voted.

I want directors to not fear censure.

Therefore, I urge the following immediate actions:

1. Modify the Code of Conduct to allow the above.
2. Revoke the N6AA censure.

73,


[Your name and callsign go here.]

I hate to say this, but this is only the beginning. Some ARRL directors are planning to propose changes to the League's Articles of Association and By-Laws at the board meeting in January 2018. These changes will make the ARRL even less democratic and more authoritarian.

As reported by CQ magazine (<http://cqnewsroom.blogspot.com/2017/12/changes-proposed-to-arrrl-governing.html>), if these changes are enacted "the board of directors will be able to revoke League membership 'for cause' and to remove board members by revoking their League membership; lesser disciplinary actions against board members, such as censure, will be allowed without the member receiving advance notice or an opportunity to respond to allegations." Another change will grant voting privileges to the president and three vice-presidents, even though these are appointed positions.

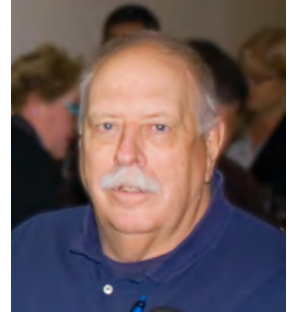
Again, I ask, what the heck is the ARRL board thinking? Do they really think that this is going to make the ARRL a stronger organization and a better advocate for amateur radio? If so, I'd like to hear their reasoning. ARRL membership has been declining for many years (as a percentage of licensed radio amateurs), and these moves are only going to accelerate that decline. I have already heard from many hams that they plan to let their ARRL membership lapse.

Please consider contacting your director today. It may already be too late to save the ARRL.

Dan Romanchik, KB6NU, is the author of the "No Nonsense" amateur radio license study guides and blogs about amateur radio at KB6NU.Com. When he's not working FT-8, he teaches ham radio classes and operates CW on the HF bands. You can email him at cwgeek@kb6nu.com. 

MARS CW Net

By John K2IZ



After many years of burning holes in the ozone on 28.050 MHz and not getting many responses, the club's CW net has faded away.

But if anyone is looking for an on-the-air monitoring session of CW, Army MARS has two nets on during the week, one at 2000 local on Wednesday evening and the other at 2000 local on Sunday evening. The frequency is 3242 kHz, well below the bottom of the amateur 80 meter band (3500) and only radios that have been modified for MARS can transmit on that or any other MARS frequencies. Of course, having a MARS call sign is mandatory.

For those who want to listen, they might find it a bit different from amateur CW traffic. MARS follows military procedures and also uses Z signals more than Q signals but both types are allowed. The other main difference is that in MARS, if you use a Q or Z signal to ask a question it is preceded by INT. For example, if you ask a station if they have traffic you use INT QRU. In amateur radio, it would be QRU IMI.

As used in the military, INT stands for interrogative. When you hear it used on a voice circuit you really get the meaning. Rather than saying "hey, got a question for you, what's your course and speed?" you would send your question as "Interrogative Mike Corpen Mike Sierra," and of course it makes a statement a little more forceful when yelling at someone "Interrogative DEAF," meaning turn the music/radio/speaker down.

Of course, the standard CW operating etiquette is always in force. We send at the speed of the slowest station in the net. Most of traffic will be weather observations but sometimes the NCS comes up with a drill message.

So feel free to listen in on either Wednesday or Sunday evenings at 2000 local time on 3242 kHz.

John Smale K2IZ/AAR2GI 

“Three States On a HT”

By Paul Beeman, W2PB



We are “hams” so we are supposed to have the ability to adapt. When we (my wife and I) moved to Delaware in November 2016 gone were the days of operating D-Star and DMR digital modes from just a mobile radio or an HT. Why? Because there is only one-part time D-Star repeater in the state, and it is up in Wilmington DE, 45miles north of Dover. Of course, us lovers of D-Star “adapted” and several of us run “Hotspots,” “DV4Minis” or some other type of D-Star technology to allow us to get into D-Star gateway repeaters. I have a DVAP/Raspberry Pi hotspot in my truck, and a high-power hotspot at the house.

Another change was the lack of DMR coverage statewide. There is an UHF DMR repeater up in Wilmington which has coverage half way to Dover. There is also another DMR repeater down south in Sussex County in Roxana. It covers northward, but falls way short of Dover.

In Dover, there is a 2-meter DMR repeater with some common part time connectivity to Talk Groups common with the DMR repeaters on Long Island, such as Talk Group 3, North America. But for state-wide digital VHF/UHF the State of Delaware decided on Yaesu Fusion, C4FM modulation. Recent good news is the DMR repeater owner/operator here in Dover, has announced he is putting another repeater “up north” and one “down south” to allow for full state access to DMR. Yea!

Back to Fusion discussion, the northern county of Delaware, New Castle, has multiple Fusion repeaters connected to the internet. The southern county of Sussex, also has multiple Fusion repeaters connected to the Internet for Fusion. Lastly, in our county, the repeater, less than a mile from our house, is also Yaesu Fusion/C4FM. It is connected to the Internet remotely through an RF link. The Club’s repeater in Dover proper, is Fusion/C4FM, but is not connect to the Internet.....yet!

When it is desired to have North to South coverage, (our current full-time configuration), the repeater operators connect to a specific Wires-X (Fusion) “room”, typically K3KNT’s room (40410), and viola’ the state is all connected. There is a weekly net on Wednesday night at 8PM local time to test the system, and exchange ideas on how to advance the interconnect. The interconnected system allows communication from southeast Pennsylvania, all of Delaware, coastal parts of Maryland, and even into Accomack County Virginia. In essence, just about all of “Delmarva”.



The repeaters are typically run in the conventional FM mode, but can also be ran in the digital “C4FM “Fusion” mode. But running them in the FM mode allows anyone with a FM HT or radio to talk to anyone else in “Delmarva” (Delaware, Maryland, Virginia) which what is desired in times of emergencies. No digital HTs or radios are required. Those of us with dual mode radios just operate in FM mode to access our respective local repeaters. We can access our local Fusion repeaters with C4FM or FM modulation through Yaesu’s “Automatic Mode Selection” function.

If a regional emergency occurs, it is ease for Philadelphia and lower New Jersey, or any other area or repeater, to join the “room” and the regional coverage broadens out. The interconnecting is done via a Yaesu HRI-200 WIRES-X™ controller (\$125) at each repeater site. Software easily allows the repeater operator to connect to any “room” or “node” they desire on the fly.

In conclusion, while I miss Long Island’s implementation of D-Star and DMR, Yaesu Fusion and WIRES-X are interesting and easy to implement, and very agile. ☺

73
Paul, W2PB
DMR: TG 3 North America
D-Star: Reflector 20A
Fusion Room: Americalink

QRP Labs QCX Single Band Transceiver

A review by John Smale K2IZ



Qasy-to-build, single-board design, 10 x 8 cm, all controls are board-mounted

- Professional quality double-sided, through-hole plated, silk-screen printed PCB

- Choice of single band: 80, 60, 40, 30, 20 or 17m
- Approximately 3-5w CW output (depending on supply voltage)
- 7-16V recommended supply voltage
- Class E power amplifier, transistors run cool, even with no heatsinks
- 7-element low pass filter ensures regulatory compliance
- CW envelope shaping removes key clicks
- High performance receiver with at least 50dB of unwanted sideband cancellation
- 200Hz CW filter with no ringing
- Si5351A synthesized VFO with rotary encoder tuning
- 16 x 2 blue backlight LCD screen
- Iambic keyer or straight key option included in the firmware
- Simple Digital Signal Processing assisted CW decoder, displayed real-time on-screen
- On-screen S-meter
- Full or semi QSK operation using fast solid-state transmit/receive switching
- Frequency presets, VFO A/B Split operation, RIT, configurable CW Offset
- Configurable side tone frequency and volume
- Connectors: Power, 3.5mm keyer jack, 3.5mm stereo

earphone jack, BNC RF output

- Onboard micro switch can be used as a simple straight Morse key
- Built-in test signal generator and alignment tools to complete simple set-up adjustments
- Built-in test equipment: voltmeter, RF power meter, frequency counter, signal generator
- Beacon mode, supporting automatic CW or WSPR operation
- GPS interface for reference frequency calibration and time-keeping (for WSPR beacon)



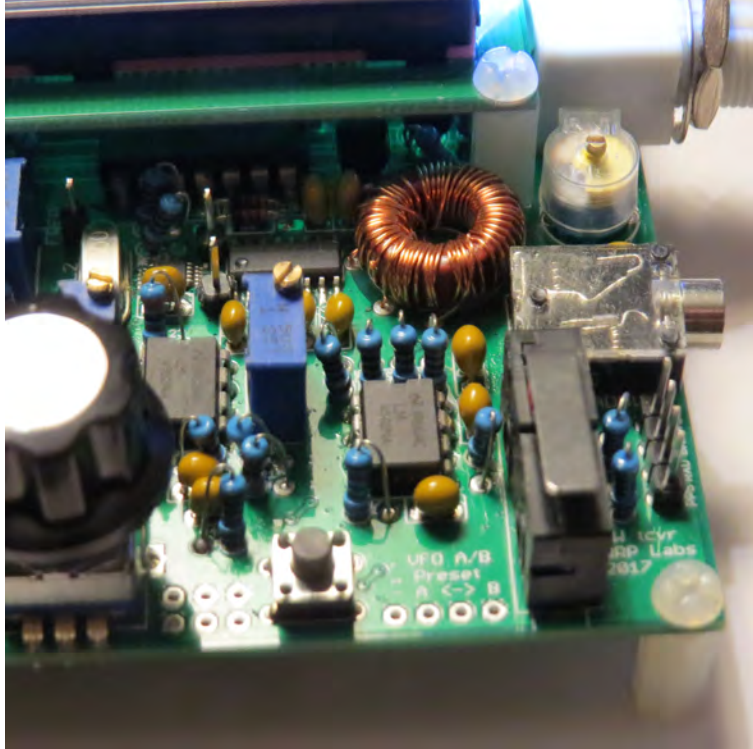
This is on the opening pages of the building and troubleshooting manual for the latest QRP Labs kit. It was first made available to the general ham radio population in the middle of August 2017. I had happened to see an article about it and on the first day it was made available I placed my order. My kit number was 434. It took almost two months for the kit to arrive! As an additional note I ordered another kit on the 11th of December. My new number is 2551 and as of the 13th of December they had shipped out up to kit number 1973. For those who saw the presentation given at our meeting, Hans, the owner of QRP Labs, does the chip programming in Turkey where he lives and then sends them to Japan where he has people assemble and ship the kit.

When the kit arrived, I unpacked it to check everything out. Everything comes in plastic bags with labels on them indicating what they are. At this time there is no case available but if you look on the QRP Labs web page you can see what several people have done. The parts are all very small. Unless you have exceptional eyesight, I would

strongly suggest using a magnifying headpiece with a couple of levels of magnification.

As I have found out from building other kits, a good soldering iron, variable temperature with different tips, is a must. It is suggested that a conical tip be used instead of a chisel-type tip, for better access. I'm still using the Hakko 888 model I bought several years ago when we were building the SDR radio kits. Hakko also has a large selection of soldering tips and as parts get smaller you want to use a quality solder.

Years ago when Heathkit was in business they always supplied solder. It was made by Kester. After doing builds



using different types of solder, I ordered a roll of Kester solder core size 66, 63/37 alloy, 0.031 diameter. This works and doesn't leave a lot of rosin residue after you're done soldering. I also used a thinned-out mixture of flux.

The manual is in four parts: build; test and adjustment; operation and settings; and troubleshooting, I have seen a YouTube presentation in which the moderator suggests downloading the file and taking it to a local place that does printing, get it printed on both sides, laminated and bound in a spiral binder. Trust me when I say you will be spending a lot of time referencing the manual. I would also suggest reading it through a few times before you start building (RTFM), and make sure you have a digital VOM handy to check the resistances -- those colors are getting harder to read as I get older! There are several parts testers available, either to build or already built and most go for less than \$30. Even though the parts in the kit are new, you might want the tester available if you can't read the part number.

I also used an LC checker which has proved very helpful for checking the coils by hand. Unfortunately the owner of the company passed away a few years ago and the kit is no longer available.

The entire build was spread out over a couple of weeks. I might be retired but I still have things that need my attention. I took my time; there are a lot of tiny capacitors and resistors and even with magnifying glasses the board was hard to read. I said I took my time -- and even doing that I made a couple of mistakes, a capacitor in a resistor position and a resistor, that though I had checked its value, ended up in the wrong position. The hardest component to build was the transformer. I built the 40 meter version. For that band, it has a primary of five turns, two secondaries of five turns and a third of 38 turns. The manual tells you not to worry about overlapping the turns on any of the kits above 20 meters. There is no way 38, 5,5,5 fits on the small core provided, and in the manual there are several pages dedicated to how to wind this transformer, keeping the leads separate and metering out the leads before soldering and several tips on soldering the coil wires.

I had Ed, KA2ADC do a final check of everything and then hooked it up to a 12V battery. Everything came up as it was supposed to. The called-for adjustments were made and testing into a QRP dummy load, the unit was putting out 2.5w of power, which sounds like a winner to me! It says 3-5w depending on the power supply voltage. I did a temp hookup to my OCF antenna and picked up several stations operating close together. The 200Hz filter was able to separate the signals with no problems.

I mentioned ordering a second kit: I want to try to put that one in a case. Overall I am very satisfied with the first one I've built. As of the September issue of the QRP Labs magazine, they have shipped kits to 43 countries. The manual has been translated into German and Japanese. So far the most kits have been ordered by builders in the U.S.

You've seen what's included in this kit, you've seen the pictures -- would you believe the kit sells for \$49.00 with around \$6.00 for international shipping? It's only a single band CW QRP rig but it seems to have become very popular worldwide. ☺



Hey hams, anyone able to identify this fella from his "old" QSL card picture? Email your answers on the Yahoo Group!

YAHOO!

GSBARC has a New Yahoo Group and the old one has been deleted

If you are a member in good standing and want to join the club's new Yahoo group, go to:

<https://groups.yahoo.com/neo/groups/gsb-arc/info>

and click on "Join Group" Be sure to add a note when filling out your information with your call sign so we know who you are! ☺

Club Apparel

Want a shirt, jacket, hat, sweatshirt or t-shirt with a Great South Bay club logo? We now use *Mr. Shirt*, located at 80 East Montauk Hwy in Lindenhurst (www.mrshirt.com). Now you can get color matched backgrounds on your logo too. Check them out... ☺

ARES/RACES Information

Div. 1—Town of Babylon ARES/RACES

Net: 146.685/R, Mondays 8:15 PM
EC/RO: John Melfi, W2HCB, (631) 669-6321

Div. 2—Town of Huntington ARES/RACES

Net: 147.210 MHz +600/ PL 136.5,
Mondays 7:00 PM
EC/RO Steven W. Hines, N2PQJ,
<http://www.huntingtonmyaresraces.org/>

Div. 3—Town of Islip ARES/RACES

Mondays 8:30 PM
EC/RO: John J Blowsky, KB2SCS, 631-467-2410

Div. 4—Town of Smithtown ARES/RACES

Net: 145.430 MHz, PL136.5, Mondays 7:30 PM
EC/RO: Rich Johnston, KC2TON, 631-872-4039

Div. 5—Town of Brookhaven ARES/RACES

EC/RO: Ted Debowy, AC2IR, 631-751-6576

Div. 6—Riverhead ARES/RACES

EC/RO: Steve Casco, W2SFC, 917-701-3919

Div. 7—Southampton ARES/RACES

EC/RO: Dennis O'Rourke, KB2ZWW, 631-728-5424

Div. 8—Southold ARES/RACES

EC: Don Fisher, N2QHV, 631-765-2757
RO: Charles Burnham, K2GLP, 516-779-4983

Div. 9—East Hampton ARES/RACES

EC/RO: Nat Raynor, N2NEL, 631-324-3738

Div. 10—Shelter Island ARES/RACES

EC/RO: Neal Raymond, N2QZA, 631-749-9330

Suffolk County

ARES/RACES Net:

Mondays 2100 Local—145.330/R (136.5 PL)

Alternate Frequency—146.820 (136.5 PL)

New York State

RACES Net (HF)

Sundays 0900 Local, 3993.5 KHz LSB

2018 VE Session Dates

- January 27th
- February 24th
- March 24th
- April 28th
- May 26th
- June 16th
- July 28th
- August 25th
- September 22nd
- October 27th
- November 24th
- December 22nd

All sessions are at the Town of Babylon EOC at 10 a.m., located in the basement in the rear of town hall. Please bring photo ID, a copy and your original amateur radio license (if you have one), and any CSCE's you may have. Non programmable calculators are allowed. The exam fee is \$15 payable by cash or a check made out to "ARRL VEC".

Visit [FCC Universal Licensing System site](http://www.fcc.gov) to register for an FRN number to use on the paperwork.

The GSBARC Repeater List

- 146.685 W2GSB - shift 110.9 Hz Enc/Dec
- 223.860 W2GSB - shift 110.9 Hz Enc/Dec w/ ECHOLINK
- 223.860 - shift 156.7 Hz Enc/Dec Local use
- 440.850 W2GSB + shift 110.9 Hz Enc/Dec
- 446.775 KB2UR - shift 110.9 Hz Enc/Dec
- 927.3125 W2YMM - shift D606 Enc/Dec
- 440.250 W2TOB/B + shift DSTAR REF020A Babylon
- 445.725 WD2NY/B - shift DSTAR REF020A Selden

Club Name Badges

Club name badges are available from *The Sign Man* (www.thesignman.com) of Baton Rouge, LA.

The badges which are 1-3/4 in. x 3 in. If you visit *The Sign Man's* webpage you can order the badges by using a drop down selection on the orders page and clicking on "Great South Bay ARC—NY" ☺



All Flag & Flagpoles

FLAGS • BANNERS • FLAGPOLES & REPAIRS
SPECIALIZING IN CUSTOM FLAGS AND BANNERS

97 Gnarled Hollow Road, East Setauket, NY 11733
Tel: 631-751-5500 Outside NY: 800-247-8331
Fax: 631-751-5505

Website: www.all-flags.com • E-Mail: info@all-flags.com

GSBARC Free License Class Schedule:

Amateur Extra Classes begin Tuesday, February 6th at 7 p.m.

Note: All Classes Tuesday evenings from 7 to 9:30 PM. Class text book is the current ARRL License Manual for that level. For more info email Kevin, AB2ZI at kmorgan6@optonline.net