



The Greensboro Amateur Radio Association

Feed Line

Providing Amateur Radio news for the Triad



Betty Williams, KC2BFN Editor

www.w4gso.org

info@w4gso.org

This Month's Program

As the year winds down to a close, it's time to turn our thoughts to next year and the club leadership that will guide us. This month's meeting will give us an opportunity to choose that leadership, so you'll want to be sure that you're at Cooper's Ale House this coming Monday to vote for board positions. As I've mentioned before, if you have any suggestions for future club programs or would like to give a presentation yourself, please feel free to shoot me an email or catch me on the repeaters to let me know. Thanks for a great year and I look forward to seeing everyone on Monday!

*****New Meeting Place*****

Please make note of the new meeting place.

Cooper's Ale House in the Wyndham Garden Greensboro in Salon D Room, located at 415 S. Swing Road, Greensboro, NC. Meal time is 6:30 PM; meeting starts at 7:15 PM. A link to the menu is listed below:

: <http://coopersalehouseenc.com/menu/>

NEXT MEETING Monday, Nov. 28th

The next meeting of the Greensboro Amateur Radio Association will be Monday, Nov. 28th, at Cooper's Ale House, Salon D Room, Wyndham Garden Greensboro, 415 S. Swing Rd. Greensboro, NC. This month's program: Club Elections for 2017 Leadership

GARA Meeting Minutes

Board Meeting Minutes – Nov., 2016

The GARA board of directors held their monthly meeting on November 17th 2016 at the Kathleen Clay Edwards library located at 1420 Price park Road in Greensboro.

The members present were; Cameron Conover AJ4TW, Patrick Moore K2CPR, Jesse Lindley K4AX, David Bond KK4VCG, Tom Bertolino KB1P and Greg Spencer KG4UQV. Jamie Restrepo N4JAI, Betty Williams KC2BFN and Dan Williams N2LGH were visiting with us.

Cameron called the meeting to order at 7:00PM.

Cameron said he had been approached about helping to fund the antenna work at the repeater site. We discussed a new location for field day. Tom suggested going ahead and reserving the park we used last year just in case we don't find another spot.

Tom said we need to talk about membership as renewals are down at this time compared to previous years. We discussed ways to increase membership.

We discussed the transfer of the treasury position.

We discussed the phone line at the repeater site and decided that since we don't use the basic talk for repeater control anymore or auto patch so we decided to cancel basic talk service.

Cameron said we need to discuss the repeater controller for the 145.150 machine. Patrick had suggested the SCOM 7330 controller that several other DR1X owners are using. We discussed the controller issues and Patrick Moore K2CPR made a motion to purchase the SCOM 7330 controller and sell the current Arcom controller. Funds not to exceed \$700:00. David Bond KK4VCG seconded, all in favor the motion carried. Jesse Lindley said he would donate \$100:00 to toward the new controller Betty said she would like to spotlight a member in the feed line each month.

The meeting ended at 8:12PM

The Greensboro Amateur Radio Association

President Cameron Conover, AJ4TW
Vice-President Scott Toth, KV4UP
Treasurer David Bond, KK4VCG
Secretary Greg Spencer, KG4UQV
Financial Patrick Moore, K2CPR
Engineering Chair Jesse Lindley, K4AX
Operations Chair John Strandberg W4DX
Member-at-Large Ed Miller, AD4YB
Member-at-Large Thomas Bertolino, KB1P

Appointed Position:

Public Information
Officer
Newsletter Editor
Betty Williams KC2BFN

The Feed Line is ©2016 by the Greensboro Amateur Radio Association and published monthly. Our address is P.O. Box 7054, Greensboro, NC 27417. The purpose of the newsletter is to provide the club and prospective members information about the club and amateur radio in general. Material and information should reach the editor by the first Friday of the month for the next edition of the newsletter. Opinions expressed in "The Feed Line" do not necessarily represent the views of the officers, directors, editor or members of the Greensboro Amateur Radio Association. Material may be reproduced, provided proper credit is given to GARA

2016 SKYWARN RECOGNITION DAY (12/3)

2016 SKYWARN Recognition Day will be held on Saturday, December 3, 2016, from 0000z to 2400z. For further information, see <http://www.arrl.org/skywarn-recognition-day>

Thanks to Janice Hopkins, KJ4JPE, an ARRL-trained Public Information Officer, and Bill Morine, N2COP, ARRL Roanoke Division Vice Director, for providing this information! (sources: KJ4JPE, N2COP, ARRL website)

Regular Meeting Minutes – Oct., 2016

The Greensboro Amateur radio association held their regular monthly meeting on October 24th 2016 at Coopers Alehouse located at 415 S. Swing Road in Greensboro.

Cameron Conover AJ4TW opened the meeting at 7:15 PM

Cameron asked everyone to identify themselves.

Patrick Moore K2CPR spoke about the results of the survey he sent out recently and stated he will keep the survey active through the November meeting to give more people a chance to respond to it.

Cameron gave a report on GARA business.

Cameron said we need a nominating committee, Chris Thompson K4HC and Jonathan Davis KM4UOB volunteered for the nominating committee. Patrick Moore K2CPR nominated Jamie Restrepo N4JAI for the office of Treasurer, Jamie Accepted. There are two people in the running for member at large so far and they are Greg Ray KK4MHY and Chris Thompson K4HC.

Cameron Spoke about combining the Sunday evening Technical forum with the information net and moving the start time to 8:30 PM. Cameron asked for volunteers to be net control.

Cameron gave an update on the repeaters; Scott Toth KV4UP said he has put an audio player on the W4GSO website so you can hear the C4FM audio.

Cameron said he is working on a way to simplify playing news line

Tom Bertolino KB1P reminded everyone that membership dues are Due on January 1

Jim Hightower said the Christmas party will be held at 6:30PM on December 3RD 2016 at Libby hill Seafood on Randleman road. Let Jim know if you would like to attend.

The meeting ended at 8:17PM.

Respectfully submitted by;

Greg Spencer KG4UQV

GARA Secretary

From the President's Shack

President's Shack November 2016

Happy Holidays! I hope everyone has enjoyed their Thanksgiving Holiday by the time they've read this and recovered from all of that turkey and sweet potatoes. It's not only holiday season, it is also GARA election season. I would like to personally thank all of those who served in 2016 for their hard work and efforts through the year. And, to those who are ready to pick up the torch going into 2017, thank you very much as well. I think that 2017 has plenty of good things on the horizon. Make sure to be at the Club meeting on Monday night Nov. 28th so that we can hold an official election from the membership.

At the last board meeting we voted to replace the controller that we've been trying to get working on 145.15 with a different brand of controller that has a proven track record and more support in integration with the Yaesu System Fusion, DR1x, repeater. We will be listing for sale the Arcom controller that was

Continued page 4

originally purchased for the repeater and we have an order going in for a new Scom 7330 repeater controller. I think this is a very good choice and I have personally committed to working on this project over the winter in order to get the new controller up and running as soon as possible.

Also, on the repeater front, I have gotten some help from a friend Ken Johnson, KC4YOZ, with the AR Newsline project for the new repeater. He has given me a basic software package that will automatically download the latest AR Newsline each Saturday, and then a piece that will get that file and play it while activating some pins on the GPIO of a Raspberry Pi that can be connected in such a way as to Key up the PTT on the repeater. There is still some work to do with this, we need to finalize the interface for control of it, which will require the controller to be operational. And we also need to tidy up a few things on the software side in order to automate it within our specific requirements. This is taking quite a bit of work from multiple people, my brother and fellow club member Collins, AF7PO, has also been helping me a bit as my Linux skills are not very good yet. The reason for all of this work is to make it easier for anyone to be net control operator for the Sunday net. I hope that you will consider taking on NCS duties a couple times next year, once we get the system fully operational it should be a breeze. You will get to have fun sending remote commands to the controller as well to do things like play the newsline audio. While I'm on the subject of the net, I would really like to see more people check into the Sunday net. It takes some dedication from us in order to be there and be available every Sunday Scott Toth, KV4UP, and I have been trying to be very consistent with it. It would be great to hear from more people every week. If you aren't familiar with the new format, I'll summarize it for you.

- 8:30 PM Sunday night the "GARA Sunday Evening Net" starts
- First are check ins
- After Checking everyone in we call for comments from those who've checked in, it's your chance to:
 - Tell us about your week
 - Brag about that awesome DX you worked or confirmed this week
 - Tell us about your project and update us on its progress
 - Ask the group a technical question
 - Talk about the weather
 - Just say hello
- After the Ragchew/round table is finished we get announcements from GARA regarding upcoming events and meetings
- After the official announcements we call for additional announcements from anyone on the net
- Once announcements are made we play the AR Newsline
- After AR Newsline we sometimes call for late check ins
- The net closes

Support your club by checking in and sharing some comradery with fellow hams in your area, you may be the one person that knows the answer to a question someone has been struggling with. You never know.

I'm looking forward to seeing everyone on Monday night for GARA elections, be there or risk being considered a lid!

73, Cameron AJ4TW

Report of the Nominating Committee

Greensboro Amateur Radio Association

For the Annual Election of Club Officers – November 2016

The nominating committee, consisting of Christopher W. Thompson, K4HC; and Jonathan A. Davis, KM4UOB; was constituted at the monthly club meeting on 24 October, 2016, for the purpose of seeking out and presenting a slate of nominees for the role of officers of the Greensboro Amateur Radio Association for the calendar year of 2017.

The officers to be elected are: President; Vice-President; Engineering Chair; Financial Chair; Operations Chair; Treasurer; Secretary; and (2) Members-at-Large. The duties and responsibilities of each officer are detailed in the club by-laws.

The below listed persons, being members in good standing at the time of election in the Greensboro Amateur Radio Association; each having agreed to serve in the nominated positions for the 2017 calendar year for the club, are presented to the club, subject to the addition of nominees from the floor for any and all positions for club officer during the Annual Meeting in November. Members so nominated must either be present or agree to serve if elected, or provide written agreement of same to a member of the nominating committee if not present at the election. Nominees must be current members in good standing of the Greensboro Amateur Radio Association, be a licensed amateur, and be at least 18 years of age.

Voting for club officers will occur at the Annual Meeting on Monday, November 28th, 2016. The meeting will take place at Cooper's Ale House, Salon "D", 415 S Swing Rd, Greensboro, NC 27409. The meeting begins at 7:15 pm.

Members unable to attend and desiring to vote may present their selections to a member of the nominating committee prior to the election, preferably by E-mail to k4hc@northstate.net and/or jd@subnetwork.me

FOR THE OFFICE OF PRESIDENT - Cameron Conover, AJ4TW
FOR THE OFFICE OF VICE-PRESIDENT - Scott Toth, KV4UP
FOR THE OFFICE OF ENGINEERING CHAIR - Jesse Lindley, K4AX
FOR THE OFFICE OF FINANCIAL CHAIR - Chandlee White, KJ4ADX

FOR THE OFFICE OF OPERATIONS CHAIR - John Strandberg, W4DX
FOR THE OFFICE OF TREASURER - Jaime Restrepo, N4JAI
FOR THE OFFICE OF SECRETARY - Greg Spencer, KG4UQV
FOR THE OFFICE OF MEMBER AT LARGE (Vote for two)
Chris Thompson, K4HC Gregory Ray, K4MHY

November Engineering Update

I hope everyone had a great Thanksgiving this year, enjoyed seeing family and friends and had a great Thanksgiving meal. As we head into December, the holiday season, and the start of winter less than a month away it's a great time to get on the radio with the long evenings. Plenty of HF DX to work with the extended greyline. I know I'd personally like to at least get DXCC on 40m this year and get closer to finishing up 80m as well.

As Cameron wrote about we have decided to go with another controller for our repeater, the Scm 7330 which will allow us more control over the modes of the repeater and hopefully less difficulty in getting it going. I'm really looking forward to seeing it all come together, and much appreciative of Cameron taking on a lot of the work in some of his down time the coming month. It will certainly be a big help as his down time is my busiest!

I don't have much to report this month on the status of the repeaters, and that's a good thing as nothing has gone wrong for me to report. The DR1x has been humming along on its internal controller without a hitch, and has been working great on FM and C4FM. I'm always impressed with the basics of the DR1x, which is it's receive capability, how the clean the TX FM audio sounds compared to other machines, and the C4FM mode which really takes it to the next level. I noticed this past week that HRO has the FTM-3200dr for \$129, cheaper than the FT-2900, a FM only rig. If you're in the market for a 2m rig for cheap, it's a great choice considering the amount of Fusion repeaters in the area.

On the Dstar side, I don't want to sound like a broken record but the work the last year the engineering committee put in, especially the IT guys have done, has paid off with a stable system that requires a lot less maintenance to stay working and on the air.

One of my goals when I took this position was to get both repeaters working my reliably, so future Engineering Chairs would not have spent so much time to keep thing going, and it would not be a task that would make so many shy away from it. I think we are getting really close with achieving that goal, and I can personally say that I've not had to make any trips in a while out to the site to get something working in months which is great. I have agreed to take on another year as Engineering Chairman if the club will have me, and this is something I'd like to see wrapped up for good, the DR1x and controller squared away and easily changed as the clubs needs change, and a robust computer/gateway system for the Dstar repeater, with a backup plan as the system ages.

It looks like due to work I won't be able to make another club meeting, but I hope everyone has a good time Monday night and enjoys the new venue!

73 and an early Merry Christmas to everyone!

Jesse
K4AX

Two Radio Amateurs among Three Returning ISS Crew Members

Three crew members on the International Space Station (ISS) -- two of them radio amateurs and [ARRIS](#) contact participants -- said farewell to the orbital outpost on October 29. Expedition 49 Commander Anatoly Ivanishin and Flight Engineers Kate Rubins, KG5FYJ, and Takuya Onishi, KF5LKS, returned to Earth on October 30, landing safely in Kazakhstan, after wrapping up 115 days in space since their July launch.



Astronaut Kate Rubins, KG5FYJ, smiles upon her return to Earth after 115 days in space. [NASA video]

Together, the Expedition 49 crew members pursued hundreds of experiments in biology, biotechnology, physical science, and Earth science aboard the orbiting laboratory. Rubins became the first person to [sequence DNA in space](#), and she contributed to several new studies taking place aboard the ISS. The ability to sequence the DNA of living organisms in space could enable astronauts to diagnose an illness, or identify microbes growing in the space station and determine whether they represent a health threat, NASA said.

Expedition 50 Commander Shane Kimbrough, KE5HOD, and crewmates Sergey Ryzhikov and Andrey Borisenko will operate the station for 3 weeks until the arrival of Peggy Whitson, KC5ZTD; Thomas Pesquet, KG5FYG, and Oleg Novitsky. They are scheduled to launch on November 17 from Kazakhstan.

Two Radio Amateurs Set to Join ISS Crew: Astronauts Peggy Whitson, KC5ZTD, and Thomas Pesquet, KG5FYG, and Cosmonaut Oleg Novitskiy head into space on November 17 for a 6-month stay aboard the International Space Station. It will take the Expedition 50/51 crew members 2 days to reach the ISS in their *Soyuz* vehicle. Welcoming the new crew increment will be Expedition 50 Commander Shane Kimbrough, KE5HOD, and crew members Sergey Ryzhikov and Andrey Borisenko, who have been aboard the complex since October. Whitson will become the first woman to command the space station twice. Her first tenure as commander was in 2007, when she became the first woman to hold this post.

TAKE THE TEST

Every month on the second Saturday, except in March when it is the third Saturday, W4VEC holds a testing session for those who live in the area. This provides an opportunity for individuals to be able to test for their amateur radio license or upgrade. Thanks to David Macchiarolo, AJ4TF, and his team of volunteer examiners for taking time out of their busy schedules each month to help new or upgraded hams in our area.

Next month's testing session will be on October 8th at Hinshaw United Methodist Church, 4501 High Point Road, Greensboro, 27407, at 9am. While walk-ins are welcome contacting the lead VE is preferred. Please contact David Macchiarolo, AJ4TF, email aj4tf@arrl.net, phone (cell), 336-420-9424.

If you cannot make it to this test session, W4VEC holds a second test every month in this area. Test sessions are held at 10am on the last Saturday of each month at the Red Cross High Point Chapter, 815 Phillips Ave., High Point, NC 277262. Walk-ins are welcome. Contact information is David Macchiarolo, AJ4TF, email aj4tf@arrl.net, phone (cell), 336-420-9424.

Two Arrested in Georgia for Planning to Attack HAARP Facility in Alaska

Authorities in Georgia recently arrested two men who said they were planning to attack the High Frequency Active Auroral Research Program (HAARP) facility near Gakona, Alaska. Michael Vickers, a detective with the Coffee County Sheriff's Office, [told Alaska Dispatch News](#) that the pair explained to authorities "that God told them to go and blow this machine up that kept souls, so souls could be released."



Part of the massive antenna field at the HAARP facility near Gakona, Alaska. The row of white structures contains individual transmitters.

"Yes, that news caused a bit of a stir," said Chris Fallen, KL3WX, a faculty member at the University of Alaska-Fairbanks (UAF), which now operates the HAARP facility. "I can also confirm that no souls are stored at HAARP."

Long of interest to the Amateur Radio community as well as a target of various mind- and weather-control conspiracies, HAARP is now operated as an ionospheric research facility by UAF, which took it over last year from the US Air Force.

Police seized a "massive" arsenal of weapons the individuals had apparently planned to use in attacking the remote facility. According to a WALB [TV news account](#), investigators discovered the plot after they began looking into possible drug sales by one of the men. A local gun shop also alerted authorities that the same individual was attempting to buy a large number of

weapons. The two men, who face domestic terrorism charges, also were charged with selling drugs, and they could face other charges.

UAF spokesperson Marmian Grimes told *Alaska Dispatch News* that HAARP has been the target of previous threats, and she thanked the Georgia authorities for heading off this one. Read [more](#). -- Thanks to [Alaska Dispatch News](#) and [WALB TV](#)

UPCOMING HAMFESTS AND CONVENTIONS –

January 14, 2017: Winston-Salem FirstFest, Forsyth Amateur Radio Club, Winston-Salem, NC, http://www.w4nc.com/ws_classic_hamfest_2016.htm

We are officially kicking off Frostfest 2017! The largest hamfest in the Mid-Atlantic will be held on Saturday, February 4, 2017 at the Richmond Raceway Complex.

www.frostfest.com is the place to find all the information about this great hamfest! Sales are open!

Many of your favorite vendors are already committed, and there will be more to come. Get a table or two and sell your excess equipment.

Check out all the details at www.frostfest.com

Discounted Group Rate: Courtyard Marriott Richmond, \$89/night. [Hotel Reservation Link](#) Pre-Show "Meet & Greet" will be held in the hotel lobby, Friday @ 7:30pm.

Feed Line

www.w4gso.org

March 10-11, 2017: Charlotte Hamfest, Mecklenburg Amateur Radio Society, Concord, NC, <http://charlottehamfest.org/> April 15, 2017: Catawba Valley Hamfest, McDowell Amateur Radio Association, Morganton, NC, <http://cvhamfest.com> April 15, 2017: 45th Annual RARSFest/ARRL Roanoke Division Convention, Raleigh Amateur Radio Society, Raleigh, NC, <http://www.rars.org/rarsfest/>

April 28-29, 2017: 2017 SVHFS Conference, Southeastern VHF Society, Charlotte, NC, <http://svhfs.org>

September 1-3, 2017: 61st Annual Shelby Hamfest/ARRL North Carolina State Convention, Shelby Amateur Radio Club, Shelby, NC, <http://www.shelbyhamfest.org> It is not too early to apply for ARRL-affiliation of your club's 2016 hamfest! For more information, see <http://www.arrl.org/arrl-sanctioned-events> (source: ARRL website)

Contests and Radiosport

Contesting is one of the great activities of Amateur Radio. It boosts your technical knowledge and improves your radio operating skills—helping make you a better Amateur. [Check out the 19 annual contests sponsored by ARRL.](#)



Naval Academy Students Planning CubeSat with HF Uplink

Students at the US Naval Academy in Annapolis, Maryland, are planning an Amateur Radio CubeSat -- dubbed [HFSAT](#) -- that would carry an HF transponder as a primary payload as well as 2-meter APRS as a secondary mission when power is available. The 1.5 U CubeSat will have a linear uplink at 21.4 MHz and a downlink at 29.42 MHz.

"HFSAT is a small 1.5 U CubeSat that will demonstrate the viability of HF satellite communications as a back-up communication system using existing ubiquitous HF radios that are often a part of every amateur station," said USNA Instructor Bob Bruninga, WB4APR, who developed APRS. Bruninga said HFSAT would be similar to the 1990s-era RS-12/13 Russian Amateur



Radio satellite.

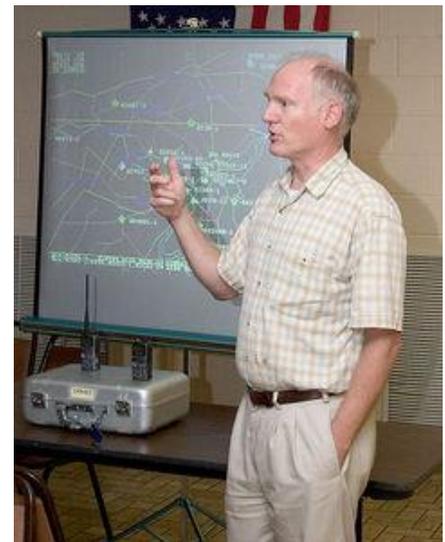
"*HFSAT* will continue the long tradition of small amateur satellites designed by students and hams at the US Naval Academy," Bruninga told ARRL. The uplink will be at 21.4 MHz and downlink at 29.42 MHz, similar to [earlier] Mode K HF satellites. No launch has yet been identified." Bruninga said *HFSAT* would be gravity gradient-stabilized by its full-sized, 10-meter, thin-wire, half-wave dipole.

Other unique features of *HFSAT* include its APRS telemetry command-and-control capability. "For VHF the students have modified a popular Byonics.com MTT4B all-in-one APRS Tiny-Track4 module for telemetry, command, and control to fit on a single 3.4-inch square card inside the CubeSat, that they will use for this and for future CubeSats," Bruninga said. The students are working with Bill Ress, N6GHZ, on the HF transponder card, which will provide a bandwidth of 30 kHz, employing an inverting transponder to minimize Doppler. Todd Bruner, WB1HAI, will be the *HFSAT* control operator.

Bruninga said the HF transponder is a follow-on from the USNA's existing *PSAT* 10-meter PSK31 transponder, still operational. *HFSAT*'s telemetry downlink will be captured via stations in the worldwide ground-station network. The packet link is a secondary mission compared to the HF transponder on this spacecraft.

Once *HFSAT* is in space, Bruninga recommended using a vertical HF antenna, because it would match well with the antenna patterns and geometry of Low Earth Orbit (LEO) satellites. "When low on the horizon, both the satellite and the user antennas are in their main lobes, providing maximum gain at the distant horizons," Bruninga said. "At the higher elevations, the satellite is 6 dB to 10 dB closer, significantly making up for the reduced antenna pattern geometry."

He said hams would be able to use "simple, manual" pass-prediction tools, much as they used the old Oscar Locator in the early years of Amateur Radio satellites.



Bob Bruninga, WB4APR.

The Ham Aid Fund was created in 2005 in response to the need for equipment and resources to support the Amateur Radio response to Hurricanes Katrina, Rita and Wilma. Ham Aid equipment is available on loan to Amateur Radio organizations during disaster response when communications equipment is unavailable.

Read about Ham Aid support in response to [Hurricane Gustav](#), the tornadoes in [Alabama](#), and the earthquake in [Haiti](#).

With your support, the Ham Aid Fund will continue to donate radios and antennas to areas of need.



Calendar of Events

Nov 28	GARA Elections/General Meeting (Cooper's Ale House in Salon "B", Greensboro)
Dec 3	Ham Radio Christmas Social (contact Jim Hightower w4jlh@bellsouth.net)
Dec 10	VE Session (Hinshaw United Methodist Church, Greensboro)
Dec 12	GARA Board Meeting
Dec 26	No GARA General Meeting in December
Dec 31	VE Session (Red Cross Building, High Point)
Jan 9	GARA Board Meeting
Jan 14	Winston-Salem Firstfest (Winston-Salem, NC http://www.w4nc.com)
Jan 14	VE Session (Hinshaw United Methodist Church, Greensboro)
Jan 23	GARA General Meeting (Cooper's Ale House in Salon "B", Greensboro)
Jan 28	VE Session (Red Cross Building, High Point)
Feb 11	VE Session (Hinshaw United Methodist Church, Greensboro)
Feb 13	GARA Board Meeting
Feb 25	VE Session (Red Cross Building, High Point)
Feb 27	GARA General Meeting (Cooper's Ale House in Salon "B", Greensboro)
Mar 10	Charlotte Hamfest (Concord, NC, MARS, http://www.charlottehamfest.org)
Mar 13	GARA Board Meeting
Mar 18	VE Session (Hinshaw United Methodist Church, Greensboro)
Mar 25	VE Session (Red Cross Building, High Point)
Mar 27	GARA General Meeting (Cooper's Ale House in Salon "B", Greensboro)
Apr 8	VE Session (Hinshaw United Methodist Church, Greensboro)
Apr 10	GARA Board Meeting
Apr 15	Roanoke Division Convention/ Raleigh Hamfest (http://rars.org/rarsfest)
Apr 15	Catawba Valley Hamfest (Morganton, NC, http://cvhamfest.com)
Apr 24	GARA General Meeting (Cooper's Ale House in Salon "B", Greensboro)
Apr 28	2017 SVHFS Conference (Charlotte, NC, http://svhfs.org)
Apr 29	VE Session (Red Cross Building, High Point)
May 8	GARA Board Meeting
May 13	VE Session (Hinshaw United Methodist Church, Greensboro)
May 22	GARA General Meeting (Cooper's Ale House in Salon "B", Greensboro)
May 27	VE Session (Red Cross Building, High Point)

The purpose of this calendar to provide information on events in and around our area that might be of interest to our readers. As you might expect, there are many more events (public service, hamfests, flea markets, etc.) taking place in North Carolina and around the Greater Greensboro Area. If you know of an event that would be of interest to our readers, please contact Tom, KB1P at kb1p@arrl.net.

Area Happenings

FOURTH MONDAY – at 6:30 pm, the Greensboro Amateur Radio Association have their regular monthly meeting at Cooper's Ale House, 415 S. Swing Rd., Greensboro, NC 27410. Please plan to gather at 6:30 pm for dinner. The meeting is scheduled to start at 7:15 pm

CLUB NETS:

SUNDAYS – at 8:30 pm, the Technical Forum on the 145.150;-at 9pm, the GARA News and Information Net. This net features News Line and is on the 145.150, W4GSO repeater. Patrick Moore K2CPR is always looking for net controls. Contact him if you would like to help.

TUESDAYS – at 8:30pm The Triad SkyWarn Net meets on the 147.225, K4ITL repeater, no tone required.

TUESDAYS – at 9pm, the D-STAR Net meets on 442.8625 (W4GSO B and Reflector 54C)

WEDNESDAYS – at 8:45pm, The Guilford Amateur Society Rag Chew Net holds their weekly net on the 145.250, W4GG repeater with an 88.5 Hz. tone. Jim Hightower, W4JLH is the net control.

THURSDAYS – at 9pm, The Guilford County ARES Net meets on the 145.150 repeater (100 Hz. tone).

OTHER ACTIVITIES:

FIRST MONDAY – The Guilford County A.R.E.S. monthly meeting is held at 1002 Meadowood St. off W. Wendover Ave, in the EMS building, beginning at 7pm.

THIRD MONDAY – at 6:15pm The Guilford Amateur Society holds their monthly meeting at Tex & Shirley's Restaurant in Friendly Shopping Center. Eat at 6:15pm and the business meeting begins at 7pm.

THURSDAY – at 11:15am, Greensboro Hams get together for lunch. Thursday lunch group is meeting at the K&W Cafeteria, 300 Forum VI Mall at Friendly Shopping Center. Talk-in is on the 145.150, W4GSO repeater with a 100 Hz. tone.

EVERY FRIDAY – at 8pm (approximately) Greensboro Hams get together for coffee at Starbucks at Edney Ridge Rd.

The W4VEC

Testing Schedule

Dec. 2016 to Mar., 2017

Dec. 10, 2016

Jan. 14, 2017

Feb. 11, 2017

Mar. 18, 2017

Location: Hinshaw United Methodist Church, 4501 High Point Road, Greensboro, NC

Time: 9:00am

Contact: David Macchiarolo

Phone: 336-420-9424

E-mail: aj4tf@arrl.net

GARA REPEATERS

145.150 MHz - offset, 100 Hz. tone

442.8625 MHz. + offset, Digital D-Star



Greensboro Amateur Radio Association

P.O. Box 7054

Greensboro, NC 27417

www.w4gso.org

FIRST CLASS MAIL

The Official Publication of GARA