



The Greensboro Amateur Radio Association

# Feed Line

Providing Amateur Radio news for the Triad



Brian Wilson, NX4U, Editor

www.w4gso.org

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## How was N4G this Year?

From David Macchiarolo, AJ4TF

In order to help our community celebrate the 233rd anniversary of the American Revolution's Battle of Guilford Courthouse, and to further practice emergency communications skills for service to our community, GARA members set up and operated Special Event Station N4G ("for Nathanael Greene") at Guilford Courthouse National Military Park on March 15th and 16th 2014 to commemorate this event in American history. The special event was held during the annual re-enactment of the Battle.

Many GARA members participate each year in the N4G Special Event Station. It is a great opportunity to promote Greensboro and make contacts around the country and around the world.

Our setup consisted of a dedicated 20m station with a 20m dipole, a multiband HF station with an

see N4G, page 8



## This Month's Program

Our March Meeting will be held on Monday, March 24th at 7:15 pm in Captain Bills Seafood & Steakhouse located at 6108 West Market Street in Greensboro. Come early have dinner and catch up on the latest club info, gossip, and connect faces to call signs.

The presentation topic for this month is entitled: Bang for your Buck SDR with the RTL 2832. The presenters are: Cameron Conover, AJ4TW and Jesse Lindley, K4AX. The presentation will cover a brief overview of using an RTL dongle as panadapter for your HF rig, and demonstrate how the RTL Dongle can be used with your computer to decode the digital modes on VHF/UHF.

Some reminders:

- If your ARRL membership is up soon or you want to join ARRL, you can do it through GARA. Renewal/ Join forms are available at this meeting. Craig Bondy, N8STA, GARA's treasurer will have the forms with him.
- On March 28, Fred Lomax IV, KV4PI, will be setting up an Amateur Radio information booth at the General Greene Elementary School's Technology Fair. Fred is looking for Hams to help man the booth. If you are interested, you can talk to at the meeting or send him an email at [kk4baw@gmail.com](mailto:kk4baw@gmail.com).

See you at the meeting.

### NEXT MEETING Monday, March 25

The next meeting of the Greensboro Amateur Radio Association will be Monday, March 25th, at Captain Bill's Seafood & Steakhouse, 6108 West Market Street, Greensboro, NC 27409, between Guilford College Road and Swing Road. The program for this month's meeting will be Bang for your Buck; SDR with the RTL 2832.

## GARA Meeting Minutes

### Regular Meeting Minutes February 22, 2014

The Greensboro Amateur Radio Association held their monthly meeting on February 22, 2014, at Captain Bills Seafood Restaurant located at 6108 West Market Street in Greensboro.

Tom Bertolino, KB1P, called the meeting to order at 19:00. Tom asked for everyone to identify themselves.



#### CLUB BUSINESS and OFFICER REPORTS

Tom said that Todd Smith, AK4TS, is working on setting up a Pay Pal account. We are also looking at ways to increase income and decrease expenses.

The program for March will be presented by Cameron Conover, AJ4TW, who will show us the RTL SDR dongle and help setup the software if you bring a dongle and laptop to next months meeting.

Cameron also said the sandblast rally is coming up this weekend and they are looking for volunteers.

The NC QSO party was held this past weekend and GARA sponsored the Lone Ranger category.

Craig Bondy, N8STA, gave the treasury report and stated that we now have 74 members.

Todd reminded us that membership dues are due for 2014. Todd said he is glad to see some new faces at the meetings.

Roy Smith, N4BYU, introduced Phillip Snow, KK4YBG, who is a new ham. Roy also spoke about testing.

David Macchiarolo, AJ4TF, gave the engineering report and asked if anyone heard any difference in the Newsline program on Sunday night since we are now using VOIP at the repeater site. David said that he will be looking at the D-Star problem as soon as the weather will permit.

#### The Greensboro Amateur Radio Association

President Thomas Bertolino, KB1P  
Vice-President Cameron Conover, AJ4TW  
Treasurer Craig Bondy, N8STA  
Secretary Greg Spencer, KG4UQV  
Financial Todd Smith, AK4TS  
Engineering Chair David Macchiarolo, AJ4TF  
Operations Roy Smith, N4BYU  
Member-at-Large Fred Lomax IV, KV4PI  
Member-at-Large Jesse Lindley, K4AX

*Appointed Position:*  
Webmaster & Newsletter Editor  
Brian Wilson, NX4U

The Feed Line is ©2014 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.

Fred Lomax, KV4PI, spoke about the Science and Technology Fair coming up at General Greene Elementary School on March 28th. Fred also said he would like to see an increase in participation on 2 meters.

Jesse Lindley, K4AX, said that he would like to start a get together on Friday nights, contact Jesse at K4AX@ARRL.net if you are interested.

The GARA Club Picnic will be held on May 24th at Gibson Park on Wendover Avenue near High Point.

Field day is coming up on June 28th and 29th contact Greg Spencer, KG4UQV, for details.

The board would like to initiate a public information officer position for GARA, please contact a board member to volunteer.

Tom Bertolino made a motion to accept the minutes as published, Mark Siepak, KJ4VSM, provided a second and the motion carried.

Tom gave the presentation on vanity call signs.

The meeting closed at 20:10

*Respectfully submitted by Greg Spencer, KG4UQV, GARA Secretary.*

## Board Meeting Minutes - March

The GARA board of directors did not meet in March due to a lack of board members present.

*Respectfully submitted by Greg Spencer, KG4UQV, GARA Secretary.*

## FreeFest 2014

Can't make it to Dayton this year? Well, if you are in the area, we are having a free tailgate hamfest in Greensboro, NC on May 17th from 8:00 AM until Noon. We will be in the rear parking lot at the RFMD Headquarters building at 7628 Thorndike Road in Greensboro, approximately 1/2 mile south of the I-40/NC-68 interchange.

Bring your own tables and chairs, and enjoy a morning of tailgating. We plan on having local amateur radio dealers on hand for those items that just can't be found in any car trunk!

Did I mention that this is Free? Yes, this is our third year of a free hamfest. No cost, no long lines, and plenty of free parking. We have vending machines and an on-site ATM as well as indoor restrooms.

We will not be offering food or beverages; there are plenty of restaurants in the area, so grab your coffee and biscuit before you arrive!

We will have a talk-in on the W4GG repeater (Thanks once again Guilford Amateur Society!) on 145.25 (-600 offset, 88.5 Hz tone), and if you need more information, you may wish to visit [kd4rf.org](http://kd4rf.org).

## “The Hang Out” - Each Friday Night

Years ago local area hams would get together at a local eatery on Friday night. This hasn't been done in years, so I called Cap't Bill's and I believe we have set up in a private room from 7-9pm on Fridays.

If we do start again, as of now it will be free, but we should eat or at least leave a couple dollars for the wait staff. It will keep them happy and help us keep it free. This will be the new group in Guilford County.

**The Friday Night Hang Out at Cap't Bills**, later to be shortened to “The Hang Out.” No officers, no dues, no bylaws. Just come and hang out. \$2.00 for the help, please.

## Antenna Party at the Thompson Station

GARA members K2CPR, KV4PI and KK4VCG helped K4HC put his new Hex Beam on Saturday, March 22, 2014. Chris is already reaping the rewards – W1AW/KH2 in Guam (along with several other DX QSO's) are in the log....





## N4G (continued from page 1)

80m Windom dipole antenna, and 2m / 440 station with D-Star capability. We also had a guest QRP station for most of the day on Saturday when John, W4DX, set up his Elecraft KX3 and made several CW and phone contacts with K2CPR.

We operated the station continuously from 0900 local time Saturday through 1100 local time Sunday. We elected to end the event a few hours early due to approaching rain, and we were able to get everything torn down and cleaned up before the cold rain started.

Weather and band conditions on Saturday, however, were very good. We made a total of 407 QSOs, broken down as follows: 20 meters: 217; 80/40/17/15/12/10/6 meters: 139; 2m / 70 cm: 51



Phil made a contact with N3KN. If you don't know who that is, do a quick search on QRZ.com. Ok, I'll tell you: that is the call sign of Kay Craigie, the President of ARRL. Way to go Phil!

Special thanks to Byron, N4CTT and Layman, KK4LLY, for pulling the night shift and keeping us on the air Saturday night and Sunday morning.

And, thanks again to the good people that helped us make it possible by loaning us radio equipment and antennas, and helped to set up and tear down the station. By all accounts, a good time was had by all!

And finally, Ken KK4GSM and Linda KK4LHH brought their 12-year-old granddaughter Katrina (who is not a ham) to the station. I sat her down in front of a radio, and gave her a few minutes of coaching. Within a short time, she had made 20 contacts! Katrina said "My sister said this would be boring, I can't wait to tell her she was wrong!"

Photos Courtesy of David, AJ4TF and Byron Shore, N4CTT



We had many operators come out to set up and work the station, including KJ4ADX, W8CCW, KE4MOW, KB1P, W4DX, K2CPR, KV4UP, KK4GSM, KK4LHH, KK4QFM, KK4QCW, KK4QCV, N4CTT, KK4LLY, N4DUB, KG4UQV. I know I am leaving someone out, it isn't intentional, but I just can't remember all of the operators that drifted in and out during the time we were there. Some of the newer hams that got to operate HF were Natalie, KK4QFM and Phil, K4WWB. While operating,



see More Photos on page 8

## From the President's Shack

March has been an interesting month. One day there is snow, sleet, and an ice storm that knocks out the electricity in the area. The day after the storm the temperature is in the sixties, and then couple of days later the temperature drops below freezing. Just as Duke Energy has about everyone's power back on, we get hit with a wind storm that knocks out electricity again.

In the Triad, where almost everything is powered by electricity, the loss of power brings extra hard-ships especially to the elderly and families with young children. The events of the last couple of weeks brings meaning to the saying "WHEN ALL ELSE FAILS.....AMATEUR RADIO."

As I listened to GARA's 2-meter repeater during the ice storm, and heard how the Greensboro Ham community responded to our ice storm, it reminded me of one of the FCC purposes for establishing the amateur radio service, "To provide to the public a voluntary noncommercial communication service particularly with respect to providing emergency communication".

I want to thank the members of ARES who volunteered their time and equipment to setup a net control station; the ARES members that monitor road conditions during the storm; and the ARES members who gave up their time to be stationed at aid centers. Many of these hams volunteered their service even though their homes and families were without power. Their professionalism and dedication is a great credit to the Greensboro Amateur Radio Community.

GARA's picnic/cookout is scheduled for around 5 pm, Saturday, May 24th at Gibson Park in High Point. The cost should be the same as last year \$7.00 (children 11 and under eat free). I know the picnic is a couple of months away, but it is time to mark this date on your calendar.

This year the picnic is being held during the Memorial Day weekend. Traditionally this weekend has become the unofficial beginning of summer, and a time when families across the country plan get-togethers and activities to celebrate the start of summer. This year, why not add GARA's picnic to your list of ways to celebrate the start of summer.

Hope to see you at meeting.

Tom Bertolino, KB1P  
President, GARA



[WWW.ARRL.ORG](http://WWW.ARRL.ORG)



## Congratulations! You Passed!

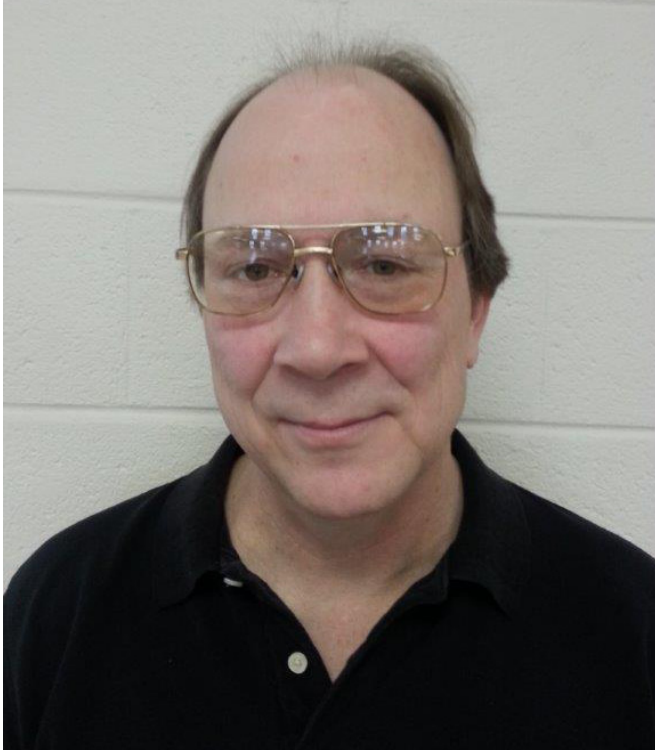
Every month on the second Saturday, except in March when it is the third Saturday, W4VEC holds a testing session for those who live in the area. This provides an opportunity for individuals to be able to test for their amateur radio license or upgrade. Thanks to Roy Smith, N4BYU, and a group of volunteers, each month there are new or upgraded hams in our area.

In March, there were two (2) who passed their test(s) and earned either their Technician, General or Extra class license.

Next month's testing session will be on April 12th 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 Roy Smith at (336) 312-0647 or by email at [n4byu@arrl.net](mailto:n4byu@arrl.net)

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 Bob Williams, KB4TWG, email [robwilliams@northstate.net](mailto:robwilliams@northstate.net), phone (cell), 336-812-5500.

All Photos Courtesy of Roy Smith, N4BYU



*Philip Snow, KK4YBG  
Passed General*

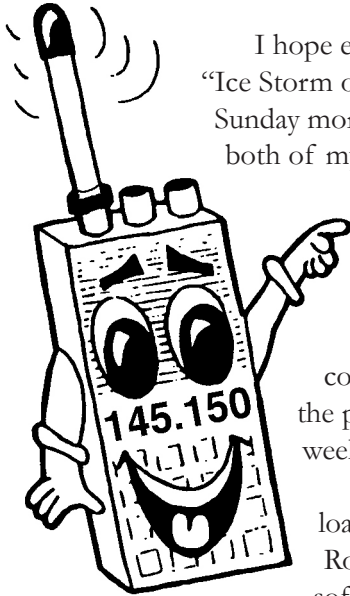


*Richard Spong, KB3YHO  
Passed General*



## Engineering Update for March, 2014

From David Macchiarolo, AJ4TF



I hope everyone has returned to normal from what will probably be remembered as the “Ice Storm of 2014.” We lost power Friday morning March 7th, and it stayed off until early Sunday morning March 9th. Although there were many trees down in the area, including both of my neighbors, we were fortunate that at station AJ4TF, we suffered no permanent damage.

### UHF (D-STAR) REPEATER

As I reported last month, the engineering committee has received some reports on the D-Star repeater that the receive sensitivity seems to be lower than normal, and the output power also seems lower than normal. Both of these conditions appear to be intermittent. Weekend weather just hasn’t been real good for the past few weeks, but as soon as we are done with the N4G special event station next weekend, we can get back to making some measurements.

A recent update on the ‘dplus’ linking software (to revision “K”) has been loaded to the gateway. ‘dplus’ is the gateway add-on software that is maintained by Robin Cutshaw (AA4RC) that allows us to link to other repeaters and reflectors. The software was fixed to correct a bug that caused a problem when there are more than 50,000 entries in the registration database that gets propagated to every gateway.

### VHF REPEATER

From time to time, we have received reports of interference being heard on the input of the VHF repeater, and have heard it myself. Those of you who have been around for a while know that this happens periodically, and we have never been able to track down the exact source, although a few years ago we were able to locate a possible source inside or near a church that is near the repeater site. Back in September we scanned the area again. Using a tape-measure 2 meter yagi, and my IC-92 HT (set to 144.55, repeater input frequency, and AM mode), we swept the area to see if there was any interference that was audible from several directions, and there did appear to be a peak coming from the shelter that houses the Verizon cellular equipment. Whether this is getting into the repeater input is not known, but after we take the spectrum analyzer to the site we can make a more thorough sweep.

During the ice storm, I monitored the VHF repeater frequently. On one occasion (Saturday afternoon March 8th) I heard some interference on the VHF repeater input, but it was “regular” and had a pattern to it.. not just random noise. So, something is going on that we need to look at. As I said, this occurs periodically but it is like chasing a ghost since it is intermittent. I only hope that when we are actually there with the test equipment that it will be evident.

### NEW EQUIPMENT

As we reported at the last club meeting, the analog phone service at the repeater site has been replaced with a Basic Talk VOIP service coming over our internet. This seems to be working fine, and will save us hundreds of dollars per year on our telecommunications costs.

As always, if you have any questions or concerns about your club repeaters, either VHF or D-Star, or any other technical topic, please contact me at [aj4tf@arrl.net](mailto:aj4tf@arrl.net)

73 from the GARA Engineering Committee!

## Special Event Station - N4G

# 2014

Photo courtesy of Byron Shore, N4CTT



Photo courtesy of Tom Forrest, N4GVK

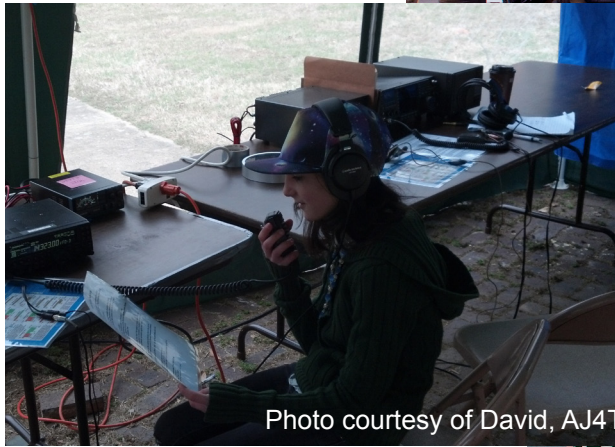


Photo courtesy of David, AJ4TF



Photo courtesy of Tom Forrest, N4GVK



Photo courtesy of David, AJ4TF



## Silent Keys

### **Leonard Wilson McGarity Jr. (“Link”), WV4I**

Leonard Wilson McGarity Jr. (“Link”), 58, of Wellington, FL was killed unexpectedly on February 17, 2014. Link was born on October 14, 1955 in Pittsburg, PA, the son of the late Leonard Wilson and Beatrice Henderson McGarity. Link attended Grimsley High School in Greensboro, graduating in 1973. He attended college at North Carolina State University, earning a Bachelor of Science degree in Applied Mathematics in 1977. He was a member of Sigma Chi fraternity. He entered the US Marine Corps in 1978 and was honorably discharged in 1984, having earned the rank of Captain in 1983. He attended the US Navy Flight School in Pensacola, graduating in 1980. He was ship board landing qualified, helicopter air to air refueling qualified, was an instructor pilot, and a flight schedule officer. He was a pilot for the 1st squadron of new 3 engine helicopters in the USMC and was qualified on five different aircraft. Link was a pilot in the NC National Guard from 1987 to 1991, deploying to Ft. Hood, TX in 1991 in support of Operation Desert Storm. He was promoted to Captain and made company commander in 1989. He was also qualified in various single and multi engine aircraft and was a night freight pilot. In 1996, he entered the U.S. Army Reserve. Link was hired by American Airlines in 1989. Captain McGarity enjoyed a 25 year career with American Airlines flying routes both domestically as well as to the Caribbean, Europe, and Central and South America on the Boeing 727, 757, 767, 777, and 737 aircraft. Link enjoyed many hobbies. He was an Extra Class Amateur Radio operator (ham radio) with morse code proficiency. He also enjoyed riding motorcycles and flying airplanes. He attended EAA AirVenture in Oshkosh, WI every year with his two beloved daughters and friends. He will be greatly missed by his family and friends. He is survived by his two daughters Heather and Holly of Wellington, FL and his son Thomas of Greensboro. He was preceded in death by his parents and his brother Alex. The family is requesting that donations be made to the Marine Corps Scholarship Fund in Link’s name.

### **Charles Edward Hux, WD4NAK**

A graveside service for Charles Edward Hux, 91, formerly of Greensboro, NC will be held at 11 a.m. Monday, March 3, 2014 at Salisbury National Cemetery. He was born November 22, 1922 in Roanoke Rapids, NC to the late Charlie Gardner Hux and Katie Morris Hux. Mr. Hux enlisted in the Army Air Corps and was injured while serving in China, Burma and India during World War II. He also served as a Master Sargent in the NC National Guard for fourteen years. He was a minister, a past chaplain for the DAV and the VFW and served as a member of the Honor Guard. He was an amateur radio operator and a former pilot. He volunteered for many years in sound and video production at his churches in Durham, Burlington and Greensboro. Always a loving and devoted husband, father, grandfather and great-grandfather, Mr. Hux is survived by his wife of 70 years, Beatrice Holt Hux of Salisbury Gardens, Salisbury, NC; a son Kenneth E. Hux and wife Rebecca Hux of Canton, GA; daughter Carol Hux Burnett and spouse Edward G. Burnett, DDS of Charlotte, NC; five grandchildren, Scott Hux and wife Melissa Hux of Waleska, GA; Wendy Hux and partner Malissa Cook of Canton, GA; Robin Hux of Canton, GA; Matt Burnett and wife Misty Burnett of Charlotte, NC; Laura Burnett Dortch of Greensboro, NC; fourteen great-grandchildren; Sklyer Cyr, Payton Hux, Carter Hux, Parker Hux, Charlotte Hux, Cross Hux, Joshua Hux, Caleb Hux, Isiah Taylor, Landon Burnett, Brady Burnett, Jameson Dortch, Noah Dortch, Mariah Dortch. He is also survived by a sister, Mary Ruth Hocutt of Durham, NC, sister-in-law Virginia Pierce of Henderson, brother-in-law LD Holt of Creedmoor, NC and numerous nieces and nephews. In addition to Greensboro, Mr. Hux and his family lived in Burlington and Durham. Mr. Hux died Monday, February 24, 2014 at WG “Bill” Hefner VA Regional Medical Center in Salisbury. The family would like to thank the staff of Forbis and Dick Funeral Home in Greensboro and that of the Medical Center, in particular those at Building 42-1 D for their exemplary care. In lieu of flowers, memorial contributions may be shared with the Children’s Home Society of NC, 604 Meadow St., Greensboro, NC 27405.

## Calendar of Events

- Mar 24 GARA General Meeting (Captain Bill's Seafood & Steakhouse, Greensboro)
- Mar 28 Technology Fair at Gen. Greene Elementary School (1501 Benjamin Pkwy, Greensboro)
- Apr 12 VE Session (Hinshaw United Methodist Church, Greensboro)
- Apr 14 GARA Board Meeting
- Apr 19 Roanoke Division Convention (Raleigh Hamfest) <http://www.rars.org/hamfest>
- Apr 26 VE Session (Red Cross Building, High Point)
- Apr 28 GARA General Meeting (Captain Bill's Seafood & Steakhouse, Greensboro)
- May 10 VE Session (Hinshaw United Methodist Church, Greensboro)
- May 10 Rockingham County Swapfest (Reidsville, NC) <http://www.rcarc.com>
- May 12 GARA Board Meeting
- May 24 GARA Picnic Gibson Park (High Point)
- May 24 VE Session (Red Cross Building, High Point)
- May 24 DurHam Fest (Bahama, NC) <http://www.rowanars.org>
- May 26 GARA General Meeting (Captain Bill's Seafood & Steakhouse, Greensboro)
- Jun 9 GARA Board Meeting
- Jun 14 VE Session (Hinshaw United Methodist Church, Greensboro)
- Jun 23 GARA General Meeting (Captain Bill's Seafood & Steakhouse, Greensboro)
- Jun 28-29 Field Day
- Jun 28 VE Session (Red Cross Building, High Point)
- Jul 12 VE Session (Hinshaw United Methodist Church, Greensboro)
- Jul 12 29th Annual Firecracker Hamfest (Salisbury, NC) <http://www.rowanars.org>
- Jul 14 GARA Board Meeting
- Jul 19 Mid-Summer Swapfest (Cary, NC) <http://www.qsl.net/n4nc>
- Jul 26 VE Session (Red Cross Building, High Point)
- Jul 26 WCARS Hamfest (Haywood County Fairgrounds, Waynesville, NC) <http://wcars.org>
- Jul 28 GARA General Meeting (Captain Bill's Seafood & Steakhouse, Greensboro)
- Aug 9 VE Session (Hinshaw United Methodist Church, Greensboro)
- Aug 11 GARA Board Meeting
- Aug 25 GARA General Meeting (Captain Bill's Seafood & Steakhouse, Greensboro)
- Aug 30 VE Session (Red Cross Building, High Point)
- Aug 30 North Carolina State Convention (Shelby Hamfest)(Shelby, NC) [www.shelbyhamfest.org](http://www.shelbyhamfest.org)
- Sep 8 GARA Board Meeting
- Sep 13 VE Session (Hinshaw United Methodist Church, Greensboro)
- Sep 22 GARA General Meeting (Captain Bill's Seafood & Steakhouse, Greensboro)
- Sep 27 VE Session (Red Cross Building, High Point)

This 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](mailto:kb1p@arrl.net).



# Area Happenings

**FOURTH MONDAY** – at 6:30pm, the Greensboro Amateur Radio Association have their regular monthly meeting at Captain Bill's Seafood & Steakhouse, 6108 West Market St., Greensboro, NC 27409. Please plan to gather at 6:30pm for dinner. The meeting is scheduled to start at 7:15pm

## CLUB NETS:

**SUNDAYS** – at 7:30pm, the **Technical Forum** on the 145.150;

- at 9pm, the **GARA News and Information Net**. This net features *NewsLine* and is on the 145.150, W4GSO repeater. Roy Smith, N4BYU 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 8:30pm, **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

Apr. to Sept. 2014

April 12, 2014

May 10, 2014

June 14, 2014

July 12, 2014

August 9, 2014

Sept. 13, 2014

**Location:** Hinshaw United Methodist Church, 4501 High Point Road, Greensboro, NC 27407,

**Time:** 9:00am

**Contact:** Roy Smith

**Phone:** (336) 312-0647

**E-mail:** n4byu@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](http://www.w4gso.org)

**FIRST CLASS MAIL**

*The Official Publication of GARA*