



The Greensboro Amateur Radio Association

# Feed Line

Providing Amateur Radio news for the Triad



Betty Williams, KC2BFN Editor

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## This Month's Program

I hope everyone is having a good summer! I certainly am. Been making a lot of FT8 contacts over here in Sardinia. This month's presentation will be by our own Chris Thompson (K4HC) on pointing your antenna. Here is his description of his talk:

Where away? That's a nautical term for questioning which direction something is. In ham radio, that's not always as easy as you might think. Come learn a little about which direction that DX really is at the August GARA club meeting.

I hope you can make the meeting.

Thanks, Dave. AC4A

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### NEXT MEETING Aug. 27, 2018

The next meeting of the Greensboro Amateur Radio Association will be held at the Cooper's Ale House on Swing Road in Greensboro on August 27, 2018. The topic, Antenna Positioning, will be presented by Chris Thompson K4HC.

## 2018 Hurricane Season: Some Nets to Know

[Caribbean Emergency and Weather Net](#) - Meets daily at 1030Z and 2230Z on 3815 kHz. The Caribbean Emergency and Weather Net was established in 1958 by Colonel Henry Frew, KV4BZ, for the purpose of having a general calling frequency for the Caribbean Islands and their North and South American friends. The net's original name was the Antilles Emergency Net.

[Hurricane Watch Net](#) -- 14.325 MHz (day)/7.268 MHz (night). Activated whenever a hurricane is within 300 statute miles of expected land-fall. Disseminates storm information and relays meteorological data to National Hurricane Center via embedded NHC station WX4NHC. Also relays post-storm damage reports and other relevant information.

[Intercontinental Net](#) -- 7 AM to noon US Eastern Time - 14.300 MHz. Provides a means of emergency communications to any location where the normal means are disrupted by local disaster such as fire, earthquake, storms, floods and terrorist activity.

[Maritime Mobile Service Net](#) -- 12 PM to 9 PM US EST or 12 PM to 10 PM EDT - 14.300 MHz - The network acts as a weather beacon for ships during periods of severe weather and regularly repeats high seas and tropical weather warnings and bulletins from the National Weather Service and the National Hurricane Center.

[14.300 MHz Net Information](#) - More information about nets on 14.300 MHz.

[Salvation Army Team Emergency Radio Network](#) (SATERN) - 14.265 MHz - The purpose of the SATERN net is to support the Salvation Army operations in local, regional and international disaster situations, as well as other functions.

[VOiP SKYWARN/Hurricane Net](#) -- A weekly Prep Net is held on Sundays at 0000 UTC, which is Saturday evenings for most of North America. Join by connecting to the EchoLink WX-TALK conference server, IRLP Reflector 9219 or if necessary to one of the backup systems. Monitor the net during hurricanes and other major severe weather events.

## The Greensboro Amateur Radio

### Association

President Scott Toth ND4L  
 Vice-President Dave McLin AC4A Treasurer  
 Jaimie Restrepo, N4JAI Secretary Gregory Ray  
 KK4MHY Financial Chandlee White, KJ4ADX  
 Engineering Chair Matt Trull KX4GG Operations  
 Chair John Strandberg W4DX  
 Members-at-Large:  
 Chris Thompson, K4HC  
 Jesse Lindley K4AX  
 Appointed Positions:  
 Public Information Officer  
 Newsletter Editor  
 Betty Williams KC2BFN

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## ARE YOU BENEFITING FROM THE ARRL WEBSITE?

A few topics to consider:

- Logbook of the World
- International Operating
- Tutorials
- Special Event Stations
- Contests
- QSL Services

Explore the website [www.arrl.org](http://www.arrl.org) and learn something new or refresh something old.

# **GARA Meeting Minutes**

## **Board Meeting Minutes**

**There was no Board Meeting in August**

## **Regular Meeting Minutes – July 2018**

The July GARA General Meeting was held on July 23<sup>rd</sup> at Cooper's Ale House.

Board Members Present:

Scott Toth, President

Jaime Restrepo, Treasurer

Chandlee White, Finance Chair

Greg Ray, Secretary

Scott began the meeting at 7:15pm with introductions.

Jaime presented us the Treasurer's report. We have 75 paid members for 2018. His goal is to have 90 paid members.

Due to a conflict our scheduled speaker was unable to make it and Scott played a video of an expedition to Heard Island.

VK0IR Heard Island Antarctica Expedition 1997

<https://www.youtube.com/watch?v=mEkc6LbWM-0>

Scott made a motion to adjourn, Jaime Restrepo and Patrick Moore seconded the motion, and the July meeting was adjourned at 8:20pm

Respectfully submitted by Greg Ray 2018 GARA Secretary

# From the President's Shack

August 2018

If your summer went anything like mine, it flew by so quickly that I ended up here without realizing what happened. We have had a few hot days, but overall the 2018 summer has been pleasant which, for me, translated into time spent outside and with family. That meant less time on the radio (especially HF) and the relatively bad band conditions didn't help anything. I'm hoping that I'm able to spend a little more time on the air as we get into autumn, and I hope the same is true for you.

I don't have a lot to report on club activities or business other than to say that we've recently received a large equipment donation from the family of an SK who wasn't even a Greensboro native. Due to donations like this over the past few years, the club has been able to upgrade our repeater equipment and site so that all our systems are current and stable and provide other gear for HF operating events. If you have any gear that is collecting dust, would you consider donating it too?

I would again like to encourage you to consider how you might be able to participate in GARA. Only a fraction of our members attends our monthly meetings, our repeaters spend a lot of time unused, and even fewer people dedicate any effort to organizing or participating in club activities. It only takes one motivated person to start a movement that could benefit everyone. Might that person, be you?

Finally, GARA has two appointed positions where you could get involved and have a large impact on our organization: as Betty Williams, our current Public Information Officer and Feedline editor will be stepping down at the end of the year, we need to find someone to take over her responsibilities. If you enjoy evangelizing ham radio and designing publications, this spot might be a perfect fit. We're also looking for a Membership Officer who will help advertise the benefits of membership and contact area hams to bring in new faces. Both are excellent experience-builders and will help you hone your skills while benefiting the club. Please contact me directly if you're interested in either position.

I sincerely hope to see you at Cooper's on Monday.

Very best,

Scott Toth, ND4L

## August Engineering Report

This month we were very fortunate to receive a donation of radios and other gear from the estate of WA4GZZ, Milton Fanning of Nashville TN, who is now a SK. Mr. Fanning's nephew, also named Milton, contacted us regarding the equipment after receiving a poor response from the local club that Mr. Fanning had belonged to, and even been president of at one time. Milton was meticulous about his radio equipment and kept good records. There were several type written letters and service receipts for some of the older equipment. As I sorted through everything I couldn't help but imagine the time that Milton spent in amateur radio; the events, DX, and tinkering that he undoubtedly spent so much time on. I never had the pleasure to meet Milton Fanning, but I'm sure he was an asset to the ham radio community.

I have begun sorting through the equipment and will work to provide a list of items and proposed sell/donation amounts soon. In the meantime, here are a few highlights:

- Icom 737, SP21 speaker, PS55 Power Supply, SM6 Desk Mic
- Icom 745, SP3 speaker, PS15 Power Supply, SM6 Desk Mic
- Icom IC-25A Mobile
- Icom IC-27H Mobile
- Icom IC-2SAT Handheld
- Astron 20-amp power supply, no meters
- Astron 20-amp power supply, with meters, non-adjustable
- Davis Electronics 7208 Frequency Counter
- Mirage MP2 SWR/Wattmeter
- Heathkit VTVM voltmeter, Heathkit transistorized power supply, Heathkit alarm clock
- Midland Field Strength Indicator
- Tons of Coax, jumpers, etc.
- Box of misc. radio and electronic parts

Matt Trull, KX4GG

## *VE Testing*

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 Sept. 8th at Hinshaw United Methodist Church, 4501 Gate City Blvd., Greensboro, 27407, at 9am. While walk-ins are welcome contacting the lead VE is preferred. Please contact David Macchiarolo, AJ4TF, email [aj4tf@arrl.net](mailto:aj4tf@arrl.net), phone (cell), 336-420-9424.

New location for High Point VE testing: Hickory Chapel Wesleyan Church, 301 Hickory Chapel Road (off MLK Jr. Drive), High Point NC 27262. ***No testing in November or December. Pre-registration is required.*** Contact David Macchiarolo, AJ4TF, 336-420-9424 at least two days prior to the session. David's email: [aj4tf@arrl.net](mailto:aj4tf@arrl.net).

## *Look Who Passed*

High Point, NC July 28, 2018



Brady P. Jeffries, Browns Summit, NC  
Earned General – ***unlicensed before session***

Greensboro, NC Aug. 11, 2018



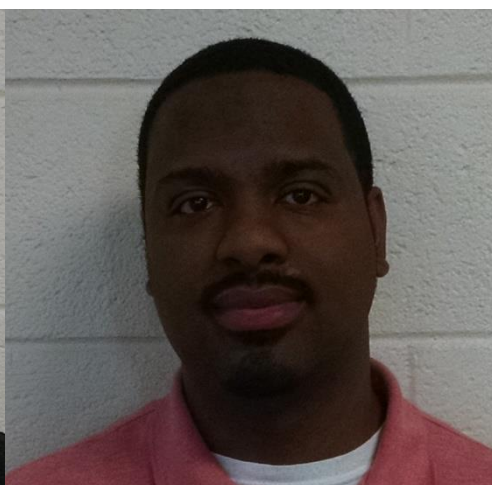
John R. (Roger) Creasy KN4OJN  
Liberty, NC  
Earned General



Van B. Martin III N4KEB  
Mayodan, NC  
Earned Extra



David A. Paschal WB4IHY  
Greensboro, NC  
Earned Extra



Malcolm E. Taylor KN4OJO  
Greensboro, NC  
Earned Technician

### ARRL Announces Two Career Opportunities

ARRL has announced career opportunities for a Business Services Manager and a Senior Lab Engineer -- EMC/RFI Specialist at ARRL Headquarters in Newington, Connecticut.

The Business Services Manager reports to the Chief Financial Officer and is responsible for the marketing and sale strategies of print and digital advertising along with wholesale book revenues. Responsibilities include relationship management with all clients, sales analysis -- including internal and market trends and management functions such as forecasting, budget preparation -- and staff management.



Candidates should hold a bachelor's degree and have 3 or more years of in-depth industry- and job-specific and supervisory experience. Applicants should possess excellent interpersonal skills, strong written and oral communication skills, a high level of sales and marketing expertise in print and digital media, and extensive knowledge of Amateur Radio.

The Senior Lab Engineer -- EMC/RFI Specialist reports to the Lab Manager and plans and performs a wide range of technical duties in support of ARRL objectives with respect to electromagnetic compatibility (EMC) and radio frequency interference (RFI) in the Amateur Radio Service. Candidates must hold an Amateur Radio license. This individual will work with ARRL members and others in the Amateur Radio community to resolve EMC/RFI problems and will maintain a database of member contact regarding specific EMC/RFI cases. The Senior Lab Engineer -- EMC/RFI Specialist will work with Federal Communications Commission (FCC) staff and with industry and standards development organizations during resolving and preventing EMC/RFI problems, as well as identify devices with significant RFI potential, test the devices, and draft detailed reports on their performance.



The applicant should hold a bachelor's degree in electronics or have 3 - 5 years of relevant experience. Ideal candidates will have experience in the EMC/RFI field with an emphasis on Amateur Radio. Detailed descriptions of the job requirements for both positions are on the ARRL [Employment Opportunities page](#)

## Calendar of Events

Aug 25	VE Session (Hickory Chapel Wesleyan Church, High Point)
Aug 27	GARA General Meeting (Cooper's Ale House in Salon "B", Greensboro)
Aug 31	Roanoke Division Convention (Shelby Hamfest) (Shelby, NC <a href="http://shelbyhamfest.org">http://shelbyhamfest.org</a> )
Sep. 8	VE Session (Hinshaw United Methodist Church, Greensboro)
Sep. 10	GARA Board Meeting
Sep. 24	GARA General Meeting (Cooper's Ale House in Salon "B" Greensboro)
Sep 29	VE Session (Hickory Chapel Wesleyan Church, High Point)
Oct. 8	GARA Board Meeting
Oct. 13	VE Session (Hinshaw United Methodist Church, Greensboro)
Oct. 22	GARA General Meeting (Cooper's Ale House in Salon "B" Greensboro)
Oct 27	VE Session (Hickory Chapel Wesleyan Church, High Point)
Nov. 10	VE Session (Hinshaw United Methodist Church, Greensboro)
Nov 12	GARA Board Meeting
Nov. 26	GARA Election Meeting (Cooper's Ale House in Salon "B" Greensboro)
Dec. 8	VE Session (Hinshaw United Methodist Church, Greensboro)
Dec. 20	GARA Board Meeting (transition meeting)
Dec.?	Area Ham Christmas (holiday) Party TBA

## FEEDLINE

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 Betty KC2BFN at [kc2bfn@att.net](mailto:kc2bfn@att.net).

**The BIRDS-2 CubeSats deployed from the ISS on August 10.** All three carry APRS digipeaters. The trio -- BHUTAN-1, MAYA-1, and UiTMSat-1 -- will transmit 30 minutes after deployment. Initial mode should be CW on 70 centimeters; each satellite uses the same frequency of 437.375 MHz. The normal transmission order is BHUTAN-1 (JG6YKL), MAYA-1 (JG6YKM), and UiTMSat-1 (JG6YKN). Each CubeSat also has an APRS digipeater on 145.825 MHz. Because the CubeSats will be released at the same time, it's possible that the beacon signals from three CubeSats will interfere with each other, as they will turn on at almost at the same time, making copy difficult. Once on, one of the first things it does is transmit the beacon signal, but the CubeSats are programmed so that each will wait a certain amount of time before transmitting the beacon signal. The first satellite released will be the first to transmit, but it will remain silent for long enough to let other two satellites finish their beacon transmissions.



## 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 GARA Sunday evening net. This features a rag chew followed by News and Information including Amateur Radio Newslines. It is on the 145.150, W4GSO repeater. Scott Toth, ND4L is always looking for net controls.

**TUESDAYS** – at 8:30pm The Triad SkyWarnNet 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. 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** – The Guilford Amateur Society is currently looking for a new venue for their meetings. When found, that information will be posted here.

**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

Sep. 2018 to Nov. 2018

Sep. 8, 2018

Oct. 13, 2018

Nov. 10, 2018

Location: Hinshaw United Methodist Church, 4501 Gate City Blvd., Greensboro, NC  
Time: 9:00am

Contact: David Macchiarolo  
Phone: 336-420-9424  
E-mail: [aj4tf@arrl.net](mailto:aj4tf@arrl.net)

## GARA REPEATERS



145.150 MHz - offset, 100 Hz. tone

442.8625 MHz. + offset, Digital D-Star



**Greensboro Amateur Radio Association**

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[www.w4gso.org](http://www.w4gso.org)

**FIRST CLASS MAIL**

*The Official Publication of GARA*