



The Greensboro Amateur Radio Association

Feed Line

Providing Amateur Radio news for the Triad



Brian Wilson, KJ4LKY, Editor

www.w4gso.org

info@w4gso.org

Hams in March

By Brian Wilson, KJ4LKY

While March has been full of nice weather and many are ready to work in their yards or start Spring Cleaning, there have also been many ham related activities.

The second Saturday in March each year is the Charlotte Hamfest.

W4VEC postpones their regularly scheduled testing session on the second Saturday of each month for one time each year, and it is for this Hamfest. Several individuals from the Triad area attended and each person I have talked to said they thought it was worth the drive and the time invested. While it is no "Shelby," it is entirely indoors so the temperature was pleasant and there were manufacturers and distributors, as well as

a large flea market area. Many of the regulars were there, including Ham Radio Outlet, Yaesu, The Wireman, Vibroplex, DBJ, QSR (Quicksilver Radio Products), and several others. The ARRL also holds its North Carolina Section Convention at



From left to right, Brian Michael Wilson, KJ4UBW; Sarah Wilson, no call; Jim Boehner, N2ZZ, ARRL Roanoke Division Vice Director; Christopher Tate, KJ4UBL; and Bill Morine, N2COP, ARRL NC Section Director

NEXT MEETING Monday, March 28

The next meeting of the Greensboro Amateur Radio Association will be Monday, March 28th, at the Golden Corral Steak House, 4404 Landview Dr, Greensboro, NC 27407, off Wendover Ave. near Sam's Club. This month's meeting will be a presentation by GARA members, entitled "Show & Tell." Each member is encouraged to bring an item to show and tell about.

this hamfest so there were several ARRL representatives there as well. My son, Brian Michael, KJ4UBW, and daughter, Sarah (no call, yet!), met up with the newest PIO for NC, Christopher Tate, KJ4UBL, and had their picture taken with a couple of the ARRL guys (see picture and also, article on page 7).

I know that several people had a great time. In my experience, the travel to and from a hamfests with good friends is

almost as much fun as the hamfest. My family had a great time traveling with our good friend Foy Flowers, W4FOY. It was obvious Foy had a good time by the number of people who came up and spoke with him as we walked around the flea market area. Maybe next year you will consider attending the Charlotte Hamfest on the second Saturday in March.

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GARA Meeting Minutes

Regular Meeting Minutes February 28, 2011

The Greensboro Amateur Radio Association held their regular monthly meeting on February 28, 2011 at the Golden Corral restaurant located near the intersection of Wendover Avenue and Interstate 40.

Chris Thompson, K4HC, opened the meeting at 7:15pm and thanked everyone for coming.

Chris then spoke about the Extra class license training sessions that will be starting on Sunday, March 6th. The sessions will run each Sunday afternoon from 4pm until 6pm and last about 12 weeks.

Chris reminded everyone that the Charlotte Hamfest is coming up on March 12th & 13th.

The RARS Fest in Raleigh is coming up on April 23rd.

The Dayton Hamvention

is coming up and once again Bill Lundy, NC4BL, will be organizing a bus trip to Dayton. The cost per person is \$250 including lodging but not food.

It is time to pay your dues if you have not already done so.

Allen Bradley, KD4IUN, spoke about the soccer tournaments and he thanked the club for the plaque that was given to Madeline and Allen for their long dedication to the soccer tournaments. Allen said that he is still looking for a volunteer to take over the soccer tournaments for him and be a liaison between GARA and GYSA as Madeline and Allen are retiring.

Todd Smith, AK4TS, is trying to drum up support for the ham station at the Natural Science Center. Todd said that he is also organizing a work party to repair the antennas at the Science center. Please contact Todd at todd@ak4ts.net if you can help.

Gerald Donnelly, N4PAX, said that he would like to see everyone wearing name tags at the meetings. Gerald also said that he has received a lot of responses to the survey that he passed out at the January meeting. For next months meeting please bring your favorite thing for Show and Tell.

Ernie Wall, NC4EW, said that we are in good shape and the bills are paid, money in the bank and the checkbook is balanced.

Ernie passed along the



financial report for Al Allred, K4ZKQ, who could not attend the meeting. We are doing better than forecasted at this time.

David Macchiarolo, AJ4TF, said the VHF repeater still has a noise problem and that he and Arch, KT4AT, are trying to get their schedules to agree so they can get out to the site and do some testing. David proposed that GARA purchase a Bird wattmeter for use in maintaining the repeaters. Vashti Forrest, W4DXJ, asked if the wattmeter could be kept secure and the answer was yes it can be locked up at the repeater site. Vashti made a motion to purchase the wattmeter, Terrell Brown K4TLB seconded and the motion passed.

Chris said that we need to start doing a yearly inventory of the club's assets.

The GARA club picnic has been scheduled for May 14th at Hagen Stone Park, more details to be forthcoming.

Respectfully submitted by Greg Spencer, KG4UQV, GARA Secretary.

The Greensboro Amateur Radio Association

President Chris Thompson, K4HC
Vice-President Gerald Donnelly, N4PAX
Treasurer Ernie Wall, NC4EW
Secretary Greg Spencer, KG4UQV
Financial Al Allred, K4ZKQ
Engineering Chair David Macchiarolo, AJ4TF
Operations Bob Mays, KE4MOW
Member-at-Large Todd Smith, AK4TS
Member-at-Large Betty Williams, KC2BFN
Appointed Positions:
Webmaster Tom Forrest, N4GVK
Newsletter Editor Brian Wilson, KJ4LKY

The Feed Line is ©2010 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.

Board Meeting Minutes March 16, 2011

The GARA board of directors held their monthly meeting on Wednesday, March 16, 2011.

Members in attendance were; Betty Williams, KC2BFN; Gerald Donnelly, N4PAX; Todd Smith, AK4TS; Chris Thompson, K4HC; Bob Mays, KE4MOW; Ernie Wall, NC4EW; Al Allred, K4ZKQ; David Macchiarolo, AJ4TF and Greg Spencer, KG4UQV.

Bob said that the GARA picnic will be held on May 21st at Hagen Stone Park in shelter #4. Bob said that Brian Wilson, KJ4LKY, has asked for an invitation to put in the Feed line and that has caused Bob to wonder just who should be invited. After a bit of discussion it was decided that only GARA members and their guests should attend.

The date for the open house was discussed. Jim Waynick, N4JLW, has offered the fellowship hall at Hinshaw Methodist Church on October 1st or October 8th. Chris made a motion to hold it on the 1st with the 8th as a backup date, David seconded. The motion passed. Bob phoned Jim and the 1st was confirmed.

Ernie said that all bills are paid and he has paid Tom Forrest for the website cost as well as made a donation to news line. We have received \$240.00 worth of D-Star subsidies so far this year. Ernie also said that he would like 2011 to be his last year as treasurer.

Al said that we have received \$222.00 in dues and \$77.00 in

D-Star subsidies ahead of what was forecast.

David said that he has received the wattmeter that the club purchased and he has procured a lockable storage cabinet to store it and any other valuable items in at the repeater site.

David said that our 2 meter repeater #1 has been repaired and is ready to go back into service. The problem was found to be a defective mixer board. David and Arch will be at the repeater site on Saturday to do the install and some measurements. The inventory update should be done soon.

Todd said that he talked with an ARRL representative at the Charlotte ham fest who told him about a fund-raising program that the ARRL has. Betty said that she will check into it and report back to the board.

Gerald said that he thinks the club's projector that we use at meetings may need a new bulb soon and he will check to see how much time is left on it. Gerald also said for next month's GARA meeting he would like everyone to bring their favorite thing that they have preferably ham radio related.

Todd said that he has gotten some good response concerning increasing the use of the station at the Natural Science Center. Todd also said that there will be a work party out there soon to do some antenna work. Bob graciously donated a G5RV antenna for use at the center.

The Board discussed finding a larger place to hold our monthly meeting's since we are filling up the room at the Golden corral. After a short discussion we decided to all look around to find another place that would meet our needs.

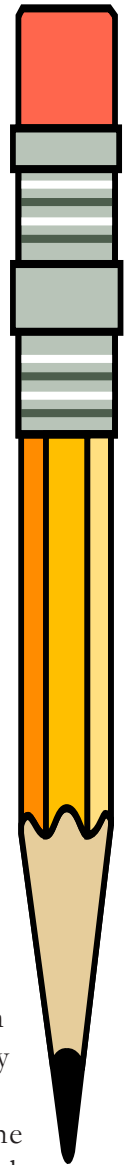
Todd said that he would like to see some kind of discount program with local merchants.

Todd also related the need to maintain a good dialog with the City of Greensboro as Steve Marks, N4SCM, will be leaving soon, and he is our main contact with the city now.

Bob said that he has heard some people interested in getting our old analog 440 machine back on the air. Chris said we have most of the parts required and the biggest problem would be finding another site for it so that it would not be on the same tower as the D-Star repeater.

David made a motion to adjourn, Chris seconded.

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



From the President's Shack

Spring is in the air, and I think we're finally past all the really cold weather...though I wouldn't be surprised to see a night or two below freezing still to come.

Antennas are going up, and DX is being worked. I'm really glad to hear people on the air talking about contests, working DX, signing up for Logbook of the World, the GERATOL net and other on-the-air activities.

Todd, AK4TS, headed up a successful maintenance visit to K4NSC, the ham station located at the Natural Science Center. Thank you to Todd and everyone who participated in that visit.

Several Greensboro hams visited the Charlotte Hamfest earlier this month - and if you walked away from that one without buying anything, you have better willpower than me! Several more hamfests are coming up in the next few months, including some small ones locally. Take advantage of the small ones - sometimes you can be surprised by

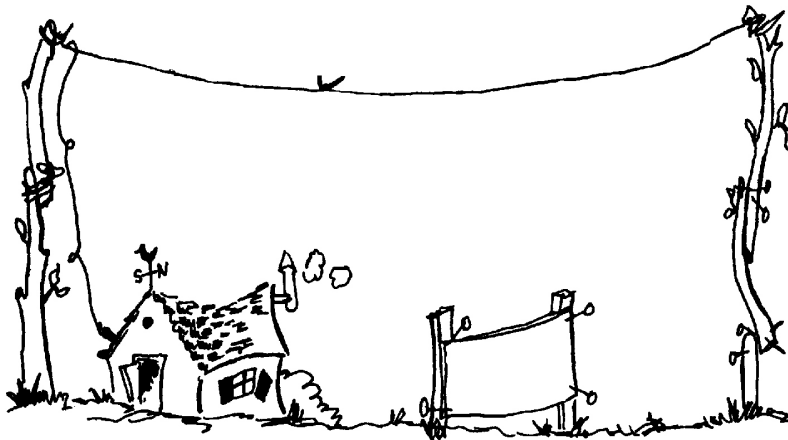
the good deals that shows up at those.

Look at the "You Passed" section in this month's newsletter. There are 8 new or upgraded hams! Congratulations to everyone who passed! Be sure to welcome the new hams to our community.

Finally, one of my regular reminders - be careful when working on your antennas - the buzzing insects are starting to appear. Also, don't work when tired, or in too much of a rush. It's too easy to get hurt by not paying attention to what you're doing.

Until next time, keep havin' fun!

73,
Chris, K4HC



GARA Meeting Topic for March: "Show & Tell"

By Gerald Donnelly, N4PAX

Do you have a favorite, most cherished amateur radio gadget, toy, tool, device, chart, contraption, accessory, thingamajig, thingamabob, doohickey, piece of equipment, mechanism, apparatus, appliance, gadget, idea, technique, contrivance, contraption—get the idea? Sure you do! Well, this is your chance to tell others about it.

Bring that "thingy" (if it doesn't

weigh too much) to the next GARA meeting. For example, you might just have a favorite wire stripper that you brag about to other hams. "I mean, it does the job like no other stripper! Here, let me show you how it works!" That would be perfect for this meeting. Bring the item and be willing to give a brief description of the "gizmo" and tell us all why it's one of your favorite Ham accessories/tools, etc. That's what "Shown-n-Tell" is!



This should be a fun session for all. It will give each of us a chance to get to know the other GARA members better, to learn their names and associate with voice with call sign, and to increase our knowledge of what might help each us as we pursue the hobby of amateur radio.

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 Glenda

Nicholson, AG4NC, and a group of volunteers, each month there are new or upgraded hams in our area.

In March, we had 8 individuals who passed their test(s) and earn either their Technician, General or Extra class license.

Next month's testing session

will be on April 9th at #3 Centerview Dr, Hickory Building, Greensboro, NC 27407 at 9:00am. While walk-ins are welcome contacting the lead VE is preferred. Please contact Glenda Nicholson at (336) 674-3810 or by email at ag4nc@bellsouth.net



*Matthew W Day -
KK4BAU,
Passed Tech*



*Nicholas B Day - KK4BAV,
Passed Tech, age 11*



*Alexander "Sasha"
Varlamov - KK4BAY,
Passed Tech, age 11*



*William E Heaslip -
KD4ZDU,
Upgrade to Extra*



*Richard F Sears - KK4BAX,
Passed Tech*



*Fred M Lomax, IV -
KK4BAW,
Passed Tech*



*J Larry Campbell - W4JLC,
Upgrade to Extra*



*Kenneth L Butler, Sr. -
AK4GQ,
Upgrade to Extra*

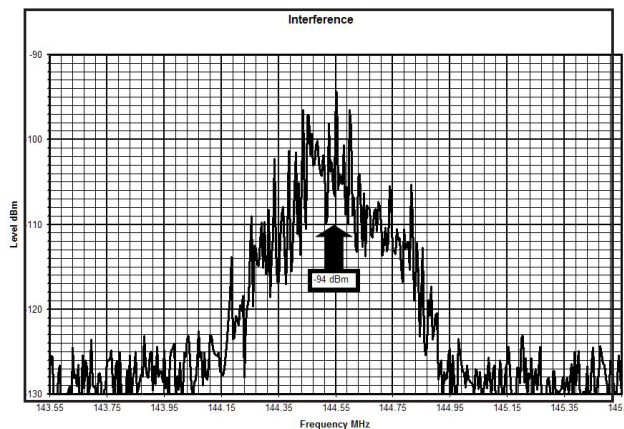
Engineering Update for March, 2011

From David Macchiarolo, AJ4TF

1) The VHF MASTR-II radio that was removed for repair last month has been repaired, and returned to service. Thanks to Arch, KT4AT, this radio is now working with excellent specs. The backup radio is slightly less sensitive than this one, it has now been reset to the "backup" state.

2) As you know, we have been trying to track down the intermittent interference that has been heard on the VHF repeater. During this site visit, Arch measured interference coming into the antenna system. There is a wide signal, about 800kHz wide, ranging from 144.15 to 144.95 MHz, which is basically sitting on top of the repeater input frequency. It does not look like a regular carrier, but more like a digital modulation of some type. A sweep of the site with a handheld transceiver, tuned to the repeater input (144.55 MHz) turned up some suspicious signals

near some incoming buried cables. Whether this is the source or not needs to be confirmed, but there are several commercial users of the site that could be the culprits. At our next site visit (to update the club's asset inventory) we'll do some more snooping.



As you can see, this interference is pretty significant.

3) At the last club meeting, you, the club members, voted to purchase an engineering asset by the club, namely a Bird wattmeter with accessories needed to monitor and measure the transmitter outputs of both the 145.15 VHF and 442.8625 (D-Star) UHF repeaters. This

equipment has been purchased, and is now in the possession of the club. It is located within a locked cabinet at the repeater site. Thanks to the club members for allowing the club to purchase this useful asset.

4) Arch has updated the D-Star software to his latest version, which

provides some additional diagnostic features (if there are problems in connecting to the internet gateway, it will announce the status over the air). We are fortunate to have many useful functions in our D-Star system that is not available from the standard ICOM offerings for D-Star repeaters.

5) Again, I would like to acknowledge the efforts and expertise of Arch, KT4AT, in helping to get the primary VHF radio back on the air, and for keeping us up to date on the D-Star repeater.

73,
David, AJ4TF

Recycle Your Old Gear & Stuff

"FREE-FEST"

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E-mail items for Tom, N4GVK -- n4gvk@bellsouth.net

Real People: 5th-grade ham radio operator new PIO

*This article has been reprinted by permission of the The Times-News. Staff writer - Molly McGowan
Read this article online at <http://www.thetimesnews.com/articles/pio-41333-grade-radio.html>.*

“CQ, CQ, CQ, this is KJ4UBL.” Christopher Tate, 11, calls attention to all operators on the wire and announces his own call sign from the comfort of his family’s living room.

Tate, a fifth-grader at Burlington Christian Academy, has only been a licensed “ham” – or amateur radio operator – since April 2010, but he’s already quite proficient with his radio equipment. And as of this month, the young Burlington resident is the newest public information officer for the North Carolina section of the American Radio Relay League.

The ARRL is the National Association for Amateur Radio, and has licensed over 156,000 amateur radio operators in the United States. Tate earned his entry level “technician” license with his father and explained, “The FCC heads all the licensees,” and there are three levels of licenses: technician, general and, “The ultimate level is amateur extra,” he said. Tate has since upgraded to the general level.

When Tate first earned his technician license, he got his call sign, “KJ4UBL,” and he said the number in the call sign corresponds to a certain area in the nation. “Most of the fours are in the southeastern U.S.” Many of Tate’s ham radio friends are in that area – including his father. Since he and his father were both licensed on the same day and it was obvious their signals were coming from the same house, they have what are called

“consecutive call signs.”

Tate’s father, whose call sign is “KJ4UBM,” was the person who sparked Tate’s interest in the hobby. Tate said his bookstore-wandering father came across an ARRL license manual about a year ago and purchased it for both him and his son to read. Tate said the book contained ham



radio’s history, its basics and technical information, which prompted him to find another supplemental book that wasn’t as “electronically advanced.”

Tate was hooked as soon as he finished both books, and he and his father attended a “hamfest” in Raleigh shortly after. “It’s kind of like a flea market,” said Tate. “But it’s devoted almost entirely to ham radio.” At hamfests, Tate explained, major electronic companies like Icom, Yaesu, Kenwood and Alinco set up shop, as do individuals with equipment to sell. Amateur radio enthusiasts also set up their radios wherever they can, and Tate recalled it being in an empty warehouse. “We filled that place up,” he said.

Tate said amateur radio equipment is also easily purchased online or in outlet shops specializing in ham radio, which is where he got his handi-talkie. The handi-talkie is a more portable, two-way radio transceiver and Tate said he can reach

other hams all the way in Chapel Hill. “I can talk to folks in Chapel Hill using a repeater, but using UHF,” he said.

A repeater is a device that receives the weak or low-level signals from amateur radios and sends them back out at a higher level, allowing hams’ messages to travel further distances. The term “UHF” stands for Ultra High Frequency, which is one of the frequency ranges the FCC allots to amateur radio operators. Tate said he usually “hangs out” on the VHF, or Very High Frequency, bands.

Tate said he gets on the wire whenever he has free time, but knows that many hams – including the president of Alamance Amateur Radio Club – is on the radio every day. Tate said the first time he attended the radio club, which is ARRL-affiliated, they met at the Burlington Police Department since it was in the late summer and the weather was hot. Their regular meeting place is at the city garage, where four radios are kept, and members often bring their own.

Tate is currently the youngest member of the Alamance Amateur Radio Club, and as the new PIO for the N.C. section of ARRL, he has a lot to plan for in the next couple of months. “In terms of duties, I establish a contact with local media,” said Tate, and updates records every six months.

Raymond L. Woodward, ARRL public information coordinator for North Carolina, said he nominated Tate for the job after hearing the professional way he conducted himself on the radio. Woodward said he was impressed with how Tate spoke with adults, and pitched his idea to Bill Morine, the ARRL section manager for North Carolina.

Woodward described the history

see Tate, page 8

Hams

continued from page 1

But the second Saturday in March was the only event in March. Last Saturday, March 19 was also an exciting time for GARA members.

The day started with a testing session for new hams and those desiring to upgrade. We saw five individuals pass their Technician exam, including two that were 11 years old; and three individuals pass their test to upgrade to Extra. (see "Congratulations! You Passed!" on page 5)

After the testing session, several hams headed over to Larry Campbell's

home for an antenna raising party. Larry, W4JLC, had just passed his extra exam and was glad to welcome; Chris Thompson, K4HC; Rick Mainhart, WB3EXR; Craig Bondy, N8STA;



L to R: Craig, N8STA; John, W8CCW; Quinn, KJ4WWD; Rick, WB3EXR; Chris, K4HC

John Ferrell, W8CCW; Todd Smith, AK4TS; Quinn Wagner, KJ4WWD; David Macchiarolo, AJ4TF; Quinn's girlfriend, Tess; and John's dog "Shadow." They were able to erect an HF antenna for Larry who should soon be making many contacts on the "low bands."

After work at Larry's was done, many of the same folks headed over to the Natural Science Center of Greensboro to work on the "shack" and antenna located there. Joining them were Terrell Brown, K4TLB; Duane Brantley, W4DMB; and Cameron Conover, AJ4TW. They worked on analyzing the station and determining what work needed to be done. They then worked

on the antenna system. More work is still needed at the Natural Science Center radio station, K4NSC, and it is helpful if many amateur operators can visit the station and operate as



Todd, AK4TS and Duane, W4DMB inspect the antenna atop the K4NSC station.

often as possible. The more amateurs use the station, the more incentive we provide for the Center to keep the station operational and in the good location. If you need more information or would like to be a part of any future repairs or upgrades to the station, please contact Todd Smith, AK4TS.

Tate

continued from page 7

of ARRL as "very egalitarian," since at its beginning, only Morse Code was used and an operator's age or gender was never obvious. Morine was also open to the idea and presented Tate's parents with the idea first, and then with their blessing, the job offer. Woodward said Tate is the youngest PIO for North Carolina, and probably in the U.S.

"I think he'll do a great job," said Woodward. "He's the kind of kid who's going to take the bull by the horns." And in June, Tate will be doing just that: educating the public on ham radio.

During the weekend of June 25-26, the ARRL's annual Field Day will be

held, during which time amateur radio operators and enthusiasts invite the public to see what they do. "That's everybody's biggest day, (especially) if you're a PIO," said Tate.

According to the ARRL, approximately 35,000 individuals and clubs across the U.S. and Canada go head-to-head in sprint competitions, a contest in which hams compete to see who can make the most contacts on the radio in a given amount of time. The original purpose of sprint contests was to test hams on their speed and accuracy in setting up an outdoor radio station, in case they needed to make contact in an emergency. "That's what Field Day is – an emergency preparedness contest," said Tate.

Tate is hoping Field Day will be held at the Joe C. Davidson Park again this year, and encourages those interested in ham radio to come out. He explained that there is always a GOTA – or "Get On The Air" – station that doesn't use the club's call signs, so non-hams can participate in the hobby. Licensed ARRL members will be there to help instruct budding operators, and Tate said ham radio is really for anyone.

The young operator encourages people of all ages to try out the hobby. He said it's not just for guys, either. Tate said one of his best ham friends is a girl in Chapel Hill who's part of the Orange County Radio Amateurs club. Tate said, "So long as you understand the rules and can talk with respect, it's open to you."



12th ANNUAL



NC4BL Dayton Hamvention by Bus

May 19th, 20th, 21st & 22nd, 2011

The bus will leave from Burlington, NC (Exit 141) on May 19th at 7 AM with the following pick up locations and times:

<u>Greensboro</u>	<u>Four Season's Mall</u>	<u>7:20 AM</u>
<u>Kernersville</u>	<u>Behind Hardee's</u>	<u>7:50 AM</u>
<u>Winston-Salem</u>	<u>Lowe's Parking Lot</u>	<u>8:15 AM</u>
<u>Mt. Airy</u>	<u>I-74 /Exit 8</u>	<u>9:00 AM</u>
<u>Hillsville, VA</u>	<u>I-77/Exit 14(Citgo Station)</u>	<u>9:30 AM</u>
<u>Wytheville,VA-</u>	<u>I-81/Exit 80 (McDonald's)</u>	<u>10:00 AM</u>
<u>Bluefield, VA</u>	<u>I-77 TBA</u>	<u>10:35 AM</u>



The cost will be \$250 per person (which covers lodging for 3 nights at the University of Dayton (double occupancy) and the coach). It is advisable to order your Hamvention ticket (good for all three days) in advance for \$20 as they will cost \$25 at the door. Their address is: Hamvention Advanced Tickets, PO Box 1446, Dayton, OH, 45401.

A \$100 deposit is required with the balance due by April 15th.

(Note: I will take the first 50 people to make a firm commitment – either by sending in their deposit or contacting me personally)

Complete the form below—clip and send along with your deposit to:

Bill Lundy, NC4BL
 151 Brady Johnson Lane.
 Mt. Airy, NC 27030

or email: nc4bl@surry.net
 Phone: (336)320-2135
 Fax: (336)320-2136

Name _____ Call _____ Phone _____

Address _____ E-Mail _____

City _____ State _____ Zip _____

Enclosed is deposit of \$ _____ (\$100 required by February 15th, 2011) Balance of _____ (required by April 15th, 2011)

Note: I would like to room with: _____ Call _____

Area Happenings

FOURTH MONDAY – at 6:30pm, the Greensboro Amateur Radio Association have their regular monthly meeting at the Golden Corral, 4404 Landview Dr, Greensboro, NC 27407, off Wendover Ave, near Sam's Club. 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 17C)

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 April to Sep. 2011

April 9, 2011

May 14, 2011

June 11, 2011

July 9, 2011

August 13, 2011

September 10, 2011

Location: #3 Centerview Dr,
Hickory Building,
Greensboro, NC 27407

Time: 9:00am

Contact: Glenda Nicholson

Phone: (336) 674-3810

E-mail: ag4nc@bellsouth.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