Forsyth Amateur Radio Club, Inc.
Newsletter
OUR 83TH YEAR!
Founded December 30, 1930
August, 2014

Release the hounds!
August Program FOX HUNT!

Bring your antennas! The August program was planned to be another program but the presenter had to re-schedule so we will have a split program 1) For those who want to participate a FOX HUNT. All those tape-measure antennas built earlier this year can be put to use. We will have a short business meeting and a little introduction to set the rules, then we'll release the hounds!

And, for those who don't want to fox hunt, there will be several Ham Nation videos running at the Red Cross.

Very Important: We will have letters prepared to go to your representative asking them to support HR 4969 – *The Amateur Radio Parity Act of 2014*. See more about this later in the Newsletter. This is one of the most important legislative issues related to amateur radio in a number of years.

July Meeting Program and Auction

Andrew Sipes make a great presentations about what he has done with Arduinos and especially with ballooning with great videos. Shown to the right is a photo of Andrew and the toaster he modified to make a reflow oven for circuit boards. Also we held an auction that from all appearances was a big hit. Henry will have the actual total at the August meeting but it was around $600.

Arduino Class

by Don, WS4NC

THE DATE IS SET – SATURDAY, JULY 16 9AM UNTIL 4-ISH

This is a FREE, all-day class, we will break for lunch (at this price - not included). Probably we will order out for pizza to make it easy.

For those who ordered Arduino parts, please bring your goodies. For those who couldn't pickup Arduino goodies, the parts have been shipped to your FARC/QRZ address. If you didn't order, you may still participate, but to get the most out of the class you will need your own Arduino goodies.

Bring your laptop. The rough class outline is given below. If you can't make it that day, the sessions will be recorded and made available to anyone interested. There are 13 people who ordered parts; if you want to participate please send an email to ws4nc <at> dwepe <dot> com so we can plan.

1. Setup computer and connecting
2. Blink sketch and uploading
3. I/O connecting basics
4. Switch de-bouncing, libraries
5. LCD Displays
6. Connecting and using servos
7. Serial communication
8. Analog/Digital "innies and outies"
9. Frequency Counter
10. Sweep generator
11. SWR meter

Kudos goes to Bob NC4RG for putting the presentation together.

If you didn't get in on the original order you can still participate in the class. If so, you are just responsible for securing your own Arduino goodies and if your doo-hickie doesn't work like all the others you have to deal with that. But we'll help.

Field Day Review

By Doc, WB4QIZ

To All Who Helped With Field Day:

I am only speaking as one member of the FARC, but I watched you co-operate as a team with whom I am proud to be a part. Field Day was a joint effort and no job

was more important than any other in getting ready. We all pitched in to make it happen. It was NOT about all the radio contacts we made, IT WAS ALL ABOUT TEAM WORK IN PUTTING TOGETHER OUR VARIOUS TALENTS AND GIFTS TO EXPERIENCE SUCCESS IN A FIELD DAY AND WORK EVENT IN CASE OF AN EMERGENCY, AMONG MANY OTHER THINGS, AND PROVE WE CAN DO WHAT WE CAN DO AS AN AMATEUR RADIO TEAM. What a GREAT team you are!

Proud to be a part of FARC!
Doc Holliday, WB4QIZ

ARRL Field Day Score

By Henry, W2DZO

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Datestamp: 2014-07-25 13:04:31 PDT
Confirmation: 76c59a180c9097d8

Call Used: W4NC     GOTA Station Call: W4WS
ARRL/RAC Section: NC     Class: 9A

Participants: 43     Club/Group Name: FORSYTH
AMATEUR RADIO CLUB

Power Source(s): Generator
Power Multiplier: 2X
Bonus Points:
 100% Emergency power  900
 Media Publicity       100
 Set-up in Public Place        100
 W1AW Field Day Message        100
 Site Visit by invited elected official       100
 Youth participation   20
   Youth operators=    1
   Youth participants= 1
 GOTA Bonus    0
 Submitted via the Web 50
Total Bonus Points             1,370

Score Summary:
                  CW  Digital  Phone  Total
  Total QSOs    411     39      619
Total Points    822     78      619     1519
Claimed Score =                         3,038

Band/Mode QSO Breakdown:
              CW          Digital       Phone
           QSOs Pwr(W)  QSOs Pwr(W)  QSOs Pwr(W)
     160m
      80m                              93    100
      40m   88    100    34    100    301    100
      20m  155    100     5    100     41    100
      15m  168    100                 171    100
      10m
       6m                               1    100
       2m
     1.25
    Other
Satellite
     GOTA                             12    100
    TOTAL  411           39           619

GOTA Bonus: No GOTA Coach
Name/Call                QSOs  Bonus Points
Frankie Lansing, KM4CBQ   12         0
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FIELD DAY! Report

Winner! Winner! Chicken dinner!
And hot peach cobbler with ice cream!

By Don WS4NC

So many good things! It all came together thanks to Doc and his crew.

The cook thanks his helpers John, K1PPE and Dave, KJ4OIL. It's hard to know how many will turn out and I don't want to have too little. I bought too much food. If we do this next year we will order fewer chickens – menaing the one I can order form Costco. I counted around 45 for dinner. I thought I bought food for 60 but it was for more like 80 starving lumberjacks so I'll cut back next year. The peach cobbler and ice seemed to be the hit. It was a last minute thought. The basic Boy Scout recipe: pour 2 16-oz cans of peaches syrup and all, sprinkle with cinnamon and put a whole(!) stick of butter on top of the peaches, then yellow cake mix (dry!), sprinkle with cinnamon and another stick of butter. Cut the butter into pats of

course.

In a cast-iron Dutch oven with coals top and bottom (around 450 degrees) it cooks in about 45 minutes becoming crusty-good on all sides due to the even heat from the cast iron, and from the butter which along with the sugar forms nice crispy edges. It took the little oven in the Kippe Kamper three (3!) hours at 350 to cook the first one. The second one took two (2!) hours at 425 and the last half-hour I pushed it to 500. Just not enough energy in the little stove to cook that much. Next year I'll bring charcoal and a cast-iron Dutch oven. There was a

second cobbler that came out about 1AM along with vanilla ice cream. There were about 10 people there, at least half-of-them diabetic. Just the insulin shock from the smell kept the diabetics awake! The smell of cinnamon and peaches roused a sleeping Andrew NC4AG who had to be at work at 6AM.

Field day pictures are at the end of the Newsletter.

Tour to Tanglewood 2014

by Jim Mansfield WA4NOT
EC, Forsyth County ARES

On Saturday and Sunday, September 27 and 27, an estimated 1,700 cyclists will ride routes ranging from 15 to 100 miles in this year's Tour to Tanglewood, an MS ride. It's the largest annual public service and field training activity for Forsyth County hams.

Based on preliminary info from the MS folks we'll need 19 operators on Saturday and 18 on Sunday to provide radio coverage for the event's directors, support vehicles and rest stop crews. We'll work in 8 event vehicles or at 8 (Sat.) / 7 (Sun.) rest stops on the traditional routes.

East-west road routes, the mountain bike route inside Tanglewood Park and their respective rest stops are the same as last year. Mountain bike route maps are available at www.forsyth.cc/parks/tanglewood/bike_trails.aspx. Last year's road route maps can be downloaded from http://www.nationalmssociety.org/chapters/ncc/fundraising-events/bike-ms/event-details/route-options/index.aspx

A new route from Concord to Tanglewood (north on Saturday, return to Concord Sunday) has been added, merging into the existing routes on Hampton Road. Up to 200 riders will cycle that route. Rest stop and SAG radio support for that route is being requested from radio clubs in the counties traversed: Cabarrus, Rowan and Davie. Details are still being planned.

Net control stations and mobile operators will have "full-day" shifts; although the T2T web page states that rider support ends at 3PM on Saturday and 1PM on Sunday. Rest stop operators work while their assigned rest stop is open – 2, 3 or 6 hours depending on route position. So volunteer for the weekend, for one day, or for a few hours as your schedules permit.

All licensed hams can participate; prior ARES membership is not required. We'll be operating on 2-Meter FM repeaters; 5-watt HTs are sufficient if used with physical ¼ wave or higher gain antennas. Rubber ducks can't handle the distances involved. 10-watt or more powerful mobile units are more effective at the rest stops, and mobile units with mag-mount antennas and 12-volt (cigarette lighter) power plugs are required for use in the event vehicles.

Join the crew by emailing wa4not@arrl.net or mansfijr@gmail.com. Or check into the Thursday evening ARES nets on 145.47 (T100), or sign up at a Forsyth County Radio Club meeting in August or September.

Name Badges

by Don, WS4NC

Yeah, I have a few to do – but it looks like we're getting to the bottom of the list. If you want one and don't have one speak up. I plan on having the latest group at the August meeting.

Business Meetings – 3rd Monday

We have now had one business meeting at Oscar's Grill and it is unanimous – we have found a new business-meeting home! We overflowed the smaller room – but we are told the bigger room is now ours on third Mondays. The food is very good, prices are reasonable and we have quiet! All are welcome – we don't do minor business at the big meeting, a) we couldn't get it all done, therefore b) there would be no time for a program, and c) some of us are so hard-core that one day a month isn't enough. All are welcome, and encouraged, to attend business meetings.

December Meeting

Just to warn you early – we are holding the December meeting at the same location (River Ridge Tap House in Clemmons on 421) as last year but it will be on the FIRST Monday; second and third Mondays were already reserved. The main club meeting is still the second Monday of the month (except December) at the Red Cross building on Coliseum Drive.

Calls Heard

Those who signed the register at the July FARC meeting:

Don Edwards	WS4NC
Raymond Taber	WX5AAA
Geoff Rudy	KK4MOV
Alan Simmons	KF4JHY
Harlan Hawkes	KKM4BFV
Gary Miller	WA4VMC
Dave Lambe	K4ICK
Bruce Sanspree	N4ZDR
Doug Rice	KJ4IGQ
Jeff Lansing	KM4BON
Frankie Lansing	KM4CBQ
David Dombrosky	KK4ZUA
Michelle McClure	KM4AFZ
Dennis McClure	N4DSM
Jack Hanley	KM4AFY
Troy Brown	KK4RYZ
Phill Nunn	KD4JZZ
Van Key	KC4WSK
Jim Atkins	W4UX
Dan O'Leary	KG4ECI
Steven Mierisch	KG4JWU
Terry Brown	AK4D
Bob Gusek	NC4AG
Andrew Gusek	NC4AG
Steve Patterson	WA3RTC
Bill Starkey	N4WWS
David McDonald	N5WNB
Jerry Minor	K4GW

There were a number of people who didn't sign the register. If you don't see your call above, that's why. In the early years, back when spark ruled the air, just being heard by anyone was an accomplishment. Early QSTs ran a column where one could report "Calls Heard" even if the station wasn't worked. Technology eventually made the column obsolete, but I liked the concept so I stole the title. And, yes, I realize that this should be properly called "Calls Seen". de DE, WS4NC

FCC Exams

By Dale Mierisch, WB9SZL
VEC Session Manager

Allow me to offer all of you hearty congratulations on your New Amateur licenses and Amateur License Upgrades.

July test session:

RYAN S ROGERS 27021 KM4DAL G
MARIA P GEORGE 27043 KM4DAM T
HELENA J GEORGE 27043 KM4DAN T
KATHLEEN P GEORGE 27043 KM4DAO T

I look forward to chatting with you on the air. Exam information on Page 7.

Exams are offered before the FARC meetings and this year at the Hamfest on June 7. Pre-registration is strongly suggested at info <at> w4nc <dot> com. We try to accommodate walk-ins if we can. Bring your original license, two forms of ID, $12.00, and you need to provide a copy of your license and successful completion forms (CSCE's - if any). Please try to have those copies with you upon arrival. Exams at the June Hamfest start promptly at 9:30 in the little room off the cafeteria hallway. Exams at the general club meeting on second Mondays start at 6:15 PM in room 109 at the Red Cross building.

Amazon Smile Program

Do you buy stuff from Amazon? If you do there is a way for FARC to earn a little money here. Go to the Amazon Smile link below and register and select Forsyth Amateur Radio Club, Inc. Amazon will donate 0.5% of your purchases to FARC. It costs you nothing more, but it benefits the club. Any thing you order has to be ordered from the Amazon Smile link – if, after you register, you forget to order through the smile program it will usually remind you. Again it costs you nothing more. Amazon is supporting legal 501c(3) organizations through this program. Thanks to Raja, KB6MTH for pointing this out.
www.smile.amazon.com

HF Contests

By Don WS4NC

Wondering about when the next HF Contest is happening? This is a contest list courtesy of PVRC that lists the major upcoming HF contests. Even if you are not "into" the contesting thing, operating during one contest is a great way to secure the 100 countries for DXCC in international contests or the 50 states for WAS in a US Contest.

Contest Name	Start Date	End Date	Log Due Date
NA QSO Party - July RTTY	7/19/2014	2014-07-20	2014-07-27
CQWW VHF Contest	7/19/2014	2014-07-20	2014-08-03
NA QSO Party - August CW	8/2/2014	2014-08-03	2014-08-10
WAE CW	8/9/2014	2014-08-10	2014-08-25
NA QSO Party - August SSB	8/16/2014	2014-08-17	2014-08-24
WAE SSB	9/13/2014	2014-09-14	2014-09-29
ARRL September VHF	9/13/2014	2014-09-15	2014-10-15
CQWW RTTY	9/27/2014	2014-09-28	2014-10-03

CQWW SSB	10/25/2014	2014-10-26	2014-11-01
ARRL SS CW	11/1/2014	2014-11-03	2014-11-18
WAE RTTY	11/8/2014	2014-11-09	2014-11-24
ARRL SS SSB	11/15/2014	2014-11-17	2014-12-02
CQWW CW	11/29/2014	2014-11-30	2014-12-05
ARRL 160M	12/5/2014	2014-12-07	2015-01-06
ARRL 10M	12/13/2014	2014-12-14	2015-01-13
ARRL RTTY Round Up	1/3/2015	2015-01-04	2015-02-05
NA QSO Party - January CW	1/10/2015	2015-01-11	2015-01-18
NA QSO Party - January SSB	1/17/2015	2015-01-18	2015-01-25
ARRL January VHF	1/17/2015	2015-01-19	2015-02-18
CQ160 CW	1/23/2015	2015-01-25	2015-01-30
CQ WPX RTTY	2/14/2015	2015-02-15	2015-02-20
ARRL DX CW	2/21/2015	2015-02-22	2015-03-23
CQ160 SSB	2/27/2015	2015-03-01	2015-03-06
NA QSO Party - February RTTY	2/28/2015	2015-03-01	2015-03-08
ARRL DX SSB	3/7/2015	2015-03-08	2015-04-07
Russian Dx Contest	3/21/2015	2015-03-22	2015-04-06
CQ WPX SSB	3/28/2015	2015-03-29	2015-04-03
CQ WPX CW	5/30/2015	2015-05-31	2015-06-05
ARRL June VHF	6/13/2015	2015-06-15	2015-07-14

HR 4969 Amateur Radio Parity Act and the ARRL Grassroots Campaign

By Karl Bowman, W4CHX,
ARRL NC Section Manager

Hello! The following announcement is to alert ARRL membership in North Carolina that its help is going to be needed shortly, and for members to be on standby for action sometime in the next two weeks.

Recently, there have been 2 announcements from the ARRL regarding HR4969 Amateur Radio Parity Act. This bill has been introduced in the US House of Representatives and it calls on the FCC to apply the ”reasonable accommodation" three-part test of the PRB-1 federal pre-emption policy to private land-use restrictions, such as neighborhoods with antenna restrictions enforced by Home Owner Associations (HOAs). Antenna relief in neighborhoods with private Covenants, Codes, and Restrictions (CC&Rs) is critical in North Carolina because, according to the North Carolina Home Owners Association, 62% of housing units in the state fall under HOAs, and the2007 state antenna law does not apply to HOAs. HR 4969 would overturn private CC&Rs.

HR 4969 has been referred to the House Energy and Commerce Committee. Representative Greg Walden, W7EQI (R-OR), chairs that panel’s Communications and Technology Subcommittee, which will consider the measure. According to the article which was posted on June 26th, ARRL Hudson Division Director Mike Lisenco, N2YBB said the most urgent task now is to get additional co-sponsors to sign onto HR 4969. For further information on the first announcement, seehttp://www.arrl.org/news/house-bill-would-require-fcc-to-extend-prb-1-coverage-to-restrictive-covenants

On July 9th, a follow-up article was published regarding a grassroots effort, which was underway to encourage radio amateurs to promote co-sponsorship of HR 4969 Amateur Radio Parity Act. The grassroots campaign is focused on contacting Members of Congress or their staffer sat or through their district offices. The article discussed strategies for making such contacts. The primary point that needs to be communicated is that the greatest threat to Amateur Radio volunteer emergency and public service communications is restrictions that prohibit the installation of outdoor antenna systems. For further information, see http://www.arrl.org/news/grassroots-campaign-underway-to-promote-co-sponsorship-of-amateur-radio-parity-act

At the conclusion of this article, it was stated that an information sheet on HR 4969, a list of "talking points," and a sample constituent letter would be available soon. It is my understanding that the supplemental information will be available by Monday, July 14th.While we are waiting for instructions, please find out who your Representative is by going to http://www.house.gov/representatives/find/

Presently, articles have already been prepared for the upcoming NC Section newsletter on this matter. In addition, input has been received from several very motivated hams in the NC Section that would like to

assist with the grassroots campaign. I will be attending the ARRL National Centennial Convention 2014 next week. It is known that at least one forum will be addressing HR 4969, and there should be discussions on HR 4969 and the grassroots campaign during the Section Manager's meetings. From the standpoint of your clubs and individual members, it is recommended that discussions are initiated about HR 4969 Amateur Radio Parity Act, that decisions are made about the grassroots actions that could be pursued, and that "first drafts" of letters are prepared. Please note that very specific "talking points" need to be included in the letter and in all likelihood, the letters should be sent (only) to the Representative from your district. Again, the information sheet, "talking points", and the sample constituent letter from the ARRL should provide the guidelines that will be needed for the grassroots campaign. Hopefully, this email communication provides some perspective on HR4969 Amateur Radio Parity Act and the grassroots campaign. I will keep you informed. Also, you are encouraged to monitor the news section of the ARRL website for updates. Finally, please consider subscribing to the ARRL Legislative Update, which can be done via Edit Email Subscriptions on your ARRL website account.

Thanks! 73, Karl Bowman, W4CHX, ARRL NC Section Manager, (919) 669-6068(cell)

UPDATE: Supplemental information regarding the grassroots campaign for HR 4969 has been posted on the ARRL website. The link is located on the homepage under the heading, "What's Popular". Click on "HR-4969" and you will be directed to the webpage, http://www.arrl.org/hr-4969.

On the HR-4969 webpage, you will find information on: the bill and what it will do; how you can help get the bill passed; who is your Congressperson; where your letter should be sent; and, the key "talking points" you should know when discussing the bill. It is my understanding that updates on HR 4969 and the grassroots campaign will be posted on this webpage as they become available.

It is hoped that you will consider participating in the HR 4969 grassroots campaign.

Thank you very much! 73, Karl Bowman, W4CHX, ARRL NC Section Manager, (919) 669-6068 (cell)

Minutes of the Forsyth Amateur Radio Club
Business Meeting—16 June 2014
By Terry Brown (AK4D)—Secretary, Forsyth Amateur Radio Club

1. Attendees: Fourteen attendees: Terry Brown-AK4D, Don Edwards-WS4NC, Bob Gusek-NC4RC, John Kippee-N0KTY, Doc Holliday-WB4QIZ, Raymond Taber-WX5AAA, Mike Atkins-N4VE, Jerry Minor-K4GW, David Shoaf-KC4X, Dale Mierisch-WB9SZL, Steven Mierisch-KG4JWU, Jim Atkins-W4UX, Harold Richardson-N4HER and Jim Mansfield-WA4NOT.
2. Call to Order: Meeting, at Oscar's Grill, 3348 Robinhood Road, Winston-Salem, was called to order by President Jerry Minor at 1935 hours.
3. Treasurer Report: Henry Heidtmann, W2DZO, FARC Treasurer was not able ot attend, but had given President Jerry Minor the club balance of $2958.36.
4. Meeting Topics:
   a. Future Meeting Topics, all tentative:
      July: Andrew Sipes from Charlotte would discuss Arduino and his weather ballon project. A club auction of donated equipment would follow.
      August: Jeryl Sears on FARC history,
      September: Don Edwards would do a program on surface mount technology and/or making PCB boards,
      October: Don Dazo on towers,
      November: Homebrew Show and tell, and
      December: Holiday banquet
   b. Field Day: Ninety percent of the meeting involved preparation discussion for Field Day at Hobby Park. Both Jerry Minor and Doc Holiday let the discussion. At the meeting, Doc reported that 24 operators had signed up, some Saturday, some Sunday and a few had indicated that they could do both days. Preparation would begin on the preceding Friday. Doc would be sending out more specific instructions and assignments. Bob Gusek reported that he and Andrew would be staying overnight Saturday on Field Day. Melissa was going to put an article on Field Day in the Winston-Salem Journal. Dignitaries Stan Bingham and Dan Besse were potential guest attendees and also possibly WXII tv coverage.
   c. Amazon Smile: Attendees were reminded to use Amazon Smile in the purchase process at Amazon.com as 0.5 percent of sales could come to the club.
   d. Time Limit on Presentations: A discussion was held on time limits for presentations at the monthly club meetings. It was generally agreed ath presentations would typically be limited to 30-45 minutes and the presiding FARC board member would give presenters a ten minute warning, which included five minutes to finish the presentation and five minutes to answer any questions.

e. ARES Report: Jim Mann reported on the Tour to Tanglewood event. He estimated that 19 operators would be needed on Saturday and 17 operators would be needed on Sunday.

f. Technical Committee Report: Dale talked about possibly making two trips to Sauratown Mountain in July, possibly taking interested technical folks who may be interested in going. He discussed the needed repairs to the tower, bolts were loose and discussed equipment that may either needed repairing or replacing. Jerry Minor/Don Edwards was to check on prices to purchase replacement antennas or phasing harnesses.

g. Grant Foundations: Discussion was held on the Winston Salem Foundation and also the Strickland Foundation and what was effort was needed to develop a grant request.

4. Adjournment: Meeting was adjourned at 2047 hours.

Minutes of the Forsyth Amateur Radio Club Meeting—14 July 2014
By Terry Brown (AK4D)—Secretary, Forsyth Amateur Radio Club

1. Call to Order and Welcome: Meeting was called to order by President Jerry Minor, K4GW, at 1937 hours with approximately 40 members attending. Attendees were welcomed and introduced themselves. Jerry delayed normal club business until after the main presentation.
2. Meeting Presentation: The meeting presentation was on balloon launching equipped with data gathering and video equipment by Andrew Sipes from Mooresville. Some equipment included was the GoPro camera as well as GPS trackers. Balloons were inflated with helium. The presentation focused on successful launches and data gathering as well as launches that had issues. Interaction was common between Andrew and meeting attendees, with meeting attendees giving Andrew ideas on methods or equipment modifications to improve future launches. Part of the presentation was how Andrew built equipment to produce circuit boards and the use of Arduino in developing electronics used in the launches.
3. Announcements/Club Business:

a. Field Day Logs: Henry Heidtmann asked for needed info on total Field Day contacts by band and mode by FD operators. Bob Gusek has already summarized much of the data.

b. Riley Hollingsworth Letter: Don Edwards read a letter to the club from Riley Hollingsworth, FARC life member and former FCC employee.

c. Field Day Discussion: Doc Holliday thanked everyone for the successful Field Day event. There were other comments as well on how well the event went and Don Edwards was thanked for the great Saturday evening meal that he made for everyone in attendance at Hobby Park at that time.

d. Club Balance: Henry Heidtmann stated that the club balance was $2536.62. He also was looking at the club equipment insurance policy and stated that he needed to request a listing of equipment that the policy covered to make sure the list was current.

e. VE Test Session Report: Dale Mierisch thanked the VE's who helped with the test session prior to the club meeting. There was an update from Tech to General and a family of four got their Tech ticked.

f. Repeater Status: Dale Mierisch stated that all three club repeaters were operational. However, Echolink was only functional on the 145.470 repeater. Efforts were continuing to get Echolink functional on the 146.640 repeater.

Minutes of the Forsyth Amateur Radio Club Business Meeting—21 July 2014
By Terry Brown (AK4D)—Secretary, Forsyth Amateur Radio Club

1. Attendees: Fourteen attendees: Terry Brown-AK4D, Don Edwards-WS4NC, Bob Gusek-NC4RC, Andrew Gusek-NC4AG, John Kippee-K1PEE, Doc Holliday-WB4QIZ, Raymond Taber-WX5AAA, Mike Atkins-N4VE, Jerry Minor-K4GW, Dale Mierisch-WB9SZL, Steven Mierisch-KG4JWU, Jim Atkins-W4UX, Harold Richardson-N4HER and Jim Mansfield-WA4NOT.
2. Call to Order: Meeting, at Oscar's Grill, 3348 Robinhood Road, Winston-Salem, was called to order by President Jerry Minor at 1955 hours.
3. Treasurer Report: Henry Heidtmann, W2DZO, FARC Treasurer was not able to attend, but estimated balance was $2536.62 plus approximately $600 gained from excess and donated property auction at the club July meeting.
4. Meeting Topics:

a. **Future Meeting Topics, all tentative:**

August: Jeryl Sears on FARC history. There was a suggestion to get Henry to contact Jeryl to make

sure he was ready for this presentation.

September: Don Edwards would do a program on surface mount technology and/or making PCB boards,

October: Don Dazo on towers, election business

November: Homebrew Show and tell, officer elections and

December: Holiday banquet

Post business meeting note: There may be a change in future meeting topics if Riley Hollingsworth-K4ZDH, lifetime FARC member and retired FCC Special Counsel for the Spectrum Enforcement Division can attend an upcoming FARC meeting.

b. Field Day: Doc Holliday asked for constructive criticism for the Field Day. Feedback included preparation start times, when to do installation of antenna lines/support facilities, improving the GOTA station, making the public and media more aware of our Field Day for more exposure and when to move the more expensive equipment out but keeping it secure until installation at Hobby Park. Interference issues were discussed and using filters more efficiently were encouraged. Discussion was expanded on the need to educate the public more on the value of ham radio via a media person. Don Edwards pointed out that Melissa was the official media person for FARC and Jerry Minor should contact her about this.

c. Amazon Smile: Attendees were reminded to use Amazon Smile in the purchase process at Amazon.com as 0.5 percent of sales could come to the club. Info was to be put on the club website and newsletter on this.

d. Club Video Screen: Andrew Gusek had donated a video screen to the club meeting room. Thank you Andrew, donations like this are part of what keeps us going strong.

e. ARES Report: Jim Mann reported on the Tour to Tanglewood event. He estimated that there will be 1900 riders including the 200 coming up from Concord, 1187 riders currently enrolled. The MS Society has set a financial goal of 1$1,300,000. East and west routes on Saturday and Sunday remain the same as last year. Jim reported that he had gotten a route map for the 200 Concord riders yesterday and described how the Concord route would merge with the east/west routes. Volunteers were still needed as 19 operators would be needed on Saturday and 17 operators would be needed on Sunday. Nine hams had volunteered so far for each day. A suggestion was made to put a volunteer request on the Vagabond net and also to consider asking the new Stokes club if they could help.

f. Technical Committee Report: At start of discussion, both Dale Mierisch and Don Edwards were getting info on pricing of needed equipment. In Dale's temporary absence, Jerry stated that Dale was to purchase a new harness for the 145.47 repeater, cost estimated to be near $700-$800, approval for the purchase already approved by board vote. Approval was modified to set a ceiling of $1000 for purchases to allow for any deviations. The need to coordinate Dale's work day was expressed to eliminate any conflicts with repeater needs such as the Tour to Tanglewood event.

Dale returned, had gotten a quote list of $858, reduced to $650 with possible further discounts of the phasing harness. Shipping of the harness was estimated to be $125-150. Also needed was a purchase of lightening arrestors, minimum of two.

Discussion was made on replacing tower sections for the 145.47 repeater, currently three sections. Going up an additional ten feet requiring an additional tower section was expressed. Another possibility would be adding in an additional section to the existing tower. Mike Atkins will look into the pricing of new or used tower sections and also the benefit of selling the old tower sections if the entire tower is replaced. A trip will have to be made to determine if the current tower is either generic or actual Rohn 25G tower sections for compatability. Support was also expressed to maintain the current backup antenna on the side of the tower. Additional guying may be needed if an additional tower section is added.

g. HR 4969: Discussion was held on HR 4969—Amateur Radio Parity Act of 2014. This will be discussed at the next club meeting and meeting attendees will have an opportunity to sign a letter to our Congressional folks.

5. Adjournment: Meeting was adjourned at 2039 hours.

Field Day Pictures

Diddle-De-Dah-De-Don

By Don WS4NC

Seems like Field Day was a long time ago but it was just last month. Shelby Hamfest is coming up soon – have to be there.

Totally unsolicited product endorsement. Not ham related. While waiting in line at CVS I heard the young clerk telling the woman in front of me about the candy bar she was buying. Nestle Crunch Caramel & Coconut Girl Scout Cookie Flavors. He said it tasted like a really, really good Nutty Buddy. Being both hungry and fond of Nutty Buddys (from the 4th grade) I bought one. OH MY GOD! Nutty Buddy on steroids! Looking like a meth addict, I went to another CVS to buy more. I was told these are a limited-time item and they are probably all gone. The register clerk and I scoured the store to find some. We found half a box. "How many do you want?" she asked. I took the box with only 16 left from her hands and said "Mine! Mine, mine, mine, mine, mine! I'm now down to 13, and those have been hidden. I considered putting them in the safe, I may yet. If, when you see me later, I have a crazed, murderous look in my eyes; it just means I'm out of NCC&CGSCF.