

HAM CHATTER



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ARRL Seeking Synergy with Maker Movement

ARRL is reaching out to members of the Maker Movement to explore avenues of cooperation and collaboration, and perhaps to recruit some new radio amateurs. Considered an extension of the arts and crafts tradition, the Maker Movement gained its own magazine, *Make*, in 2005. The philosophy of the Maker Movement is reminiscent of an era when radio amateurs built their own equipment rather than buying it off the shelf. Those considering themselves makers have tended to focus on such areas as electronics and computers, robotics, 3D printing, metal and woodworking, and even Amateur Radio, among other avocations.

Recognizing the similar characteristics of radio amateurs and makers, the *Ham Radio* exhibition each summer in Friedrichshafen, Germany, has shared space with a Maker Faire, as maker gatherings are known, for the past few years. Maker Faires in the US have attracted thousands more attendees than even the largest hamfest; the Dayton of the Maker Movement takes place in San Mateo, California, and ARRL will have a presence at events in the Bay Area in May and in Chicago later this year.

“Maker communities and mak-

erspaces are springing up across the country, becoming the latest nexus of youthful aspirants and exotic technology, as well as the locus of highly innovative forms of experimentation — including Amateur Radio,” ARRL CEO Tom Gallagher, NY2RF, wrote in his Second Century editorial, “Make It Happen,” appearing in April QST. Gallagher considers makers as “the next generation of hams.”

Gallagher suggests radio amateurs consider attending Maker Faires — not only to promote and give a presence to Amateur Radio but to learn what they have in common with makers, many of whom already are licensees. (An article in January 2017 QST, “Maker Faire Success for Ham Radio Clubs” by David Witkowski, W6DTW, is on Gallagher’s recommended reading list, as is an interview in the same issue with Jeri Ellsworth, AI6TK — well known in the Maker and gamer communities.)

Any radio amateur who enjoys tackling an Arduino or Raspberry Pi electronics project for the shack should find some common ground in the Maker Movement.

Read more at <https://go.joeteach.us/2ny3Xxs>

Next Meeting April 11, 2017

The Brightleaf Amateur Radio Club will have its regular meeting at 7:30 PM Tuesday, April 11, at VFW Post 7032 on 1108 Mumford Road in Greenville. The program TBA

All members, families and guests are invited to attend.



BARC Board Meeting

The next board meeting will be Tuesday, April 25 at 7:30 PM at the Offices of Monday & Monday, (CPA), Suite D, East Victoria Court. All members invited.

Motorola Solutions Sues Hytera Communications, Alleging Patent, Trade Secrets Theft

Motorola Solutions has filed complaints in federal court (US District Court for the Northern District of Illinois), alleging that Hytera Communications' digital mobile radio (DMR) products employ techniques and systems that infringe on Motorola Solutions' patents and trade secrets. Already known for its Land Mobile Radio Service products, Hytera entered the Amateur Radio DMR market last year. Motorola alleges that proprietary and patented information was taken illegally by three former company engineers who now work for Hytera, as "part of a deliberate scheme to steal and copy" its technology.

"Motorola Solutions believes that Hytera is intentionally infringing its intellectual property and misappropriating its trade secrets, which has enabled Hytera to compete unfairly by bypassing investment in innovation," Motorola said in a March

14 news release. Motorola Solutions General Counsel and Chief Administrative Officer Mark Hacker characterized the copying as brazen, blatant, and willful.

The three former Motorola engineers all signed non-disclosure agreements, agreeing to treat all Motorola trade secrets as confidential, when they left the company to assume similar positions with Hytera. According to the lawsuit, none of the three disclosed beforehand that they intended to go to work for Hytera.

Motorola contends that its digital radio products were rendering Hytera's analog systems obsolete, and rather than develop its own digital products, Hytera stole Motorola's ideas, its attorneys allege.

Read More at <https://go.joeteach.us/2oaNSjW>

Next VE Session

Exams will be held on Tuesday, April 18, 2017 at VFW Post 7032 on 1108 Mumford Road in Greenville, NC. Exams will start promptly at 6:30 PM. For more info email Gary, KE5ACR at ve@w4amc.com. (remove spaces) Study material at <http://www.arrl.org/coursestraining>. Walk-ins welcome.

Please bring the following required:

- Photo ID (drivers license)
- Original Amateur Radio License
- Copy of Amateur Radio License
- Original CSCE's
- Copy of CSCE
- Test fee is \$15.00 .
- Proof of Tech Plus if before 3/21/87 and doing paper upgrade to General.
- SS Number will be needed if you don't have an FRN number. *

* More info at <http://bit.ly/1FOhE1S>.

NC ARES Internet

<http://www.ncarrl.org/ares/>

Pitt County ARES EC needed!



Happy Birthday

Brightleaf Amateur Radio Club members birthdays in April.

- 03 K4KBB Jack McCoy
- 16 KJ4DMV Geraldine Sanchez
- 18 WB4PMQ Macon Dail

Well Wishes

Thoughts and Prayers go out to the following:

Family of Charlie Wells, K4SKI

Please inform Joe Jeansonne, KB4JOE, of any changes.

Additions or corrections to KB4JOE

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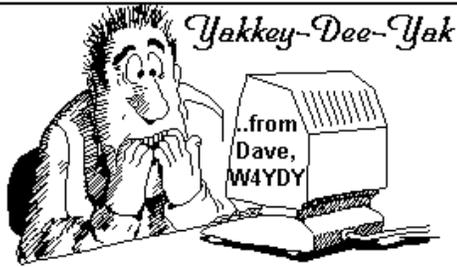
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Charlie Wells, K4SKI, SK

Charlie will be missed by many that came into his life over the years. He had many Amateur Radio friends in many parts of the world. I met him for the first time soon after I moved to Pitt County about 25 years ago. I had heard of K4SKI for many years before meeting him in person. My only contact on the air with him was in March 1995 on 20 meters, 14.288. We talked for 10 minutes and of course the signal reports were 59. Our towers were only 2 miles apart.

One of the stories I heard about Charlie was his big antenna that is legendary because of its size. He liked to tell the story about the antenna and how it grew in size until he was able to contact the stations he had been trying for a year. I heard that the wind took it down shortly after he made the contact he had been trying to break into the conversation. The two guys told him that they only had a few minutes to talk each day so they did not recognize breakers but they had heard him for a year!

Charlie and I visited each other several times. One of two things that I won't forget was when he called me a few years ago after he stopped driving. He said his son was going to take him over to my house and for me to meet them in the driveway. When I went out

and talked to him, he handed me an Astatic D-104 microphone. He said he wanted me to have it. I was surprised and thrilled that he wanted to give it to me. I had always wanted one and had used them at other Amateur Radio stations including my first cousin's station, W4QI. The D-104 was introduced in 1933. There were several variations but production ceased in 2001. It is a classic microphone and many are still used today. At almost every hamfest, you see them for sale in the flea markets.

The other nice thing that Charlie did for me was at a club meeting about 15 years ago. He stood up during the meeting and said he had something to say. Then for about 2 or 3 minutes, he congratulated me on the editing of Ham Chatter and how much he enjoyed it.

BARC Programs

Programs for the regular meetings are set for the next few months. Dave Pulver, KG4CZV, will present the April program and discuss search and rescue. The May program will be by Murray Adams, WA4DAN, about their CY9C Dxpedition to St. Paul Island last August. June will be Field Day planning by Bernie Nobles, WA4MOK, BARC Field Day Chairman. Field Day weekend is June 24-25. There are several programs that are available but the dates are not locked in yet.

W4YDY

Membership dues for BARC are due January 1. Those who have not paid their dues will not be listed on the roster and will be removed from the Ham Chatter mailing list starting in April. Membership dues are the same as they were in 2015 and are as follows:

- Regular Member \$20.00
- Family Member \$2.00
- Associate Member (Non-Licensed) \$5.00
- Honorary Member \$0.00
- New Hams: 18 and younger (1st year) \$5.00
- New Hams: 19 and older (1st year) \$10.00

Please mail your dues, along with the member application form if there are any changes to:

Brightleaf Amateur Radio Club, P.O. Box 8387, Greenville, NC 27835.

We are requesting that you send the application form in so that we can have your correct information on file. The form can be downloaded from <http://www.w4amc.com/application.pdf>. If anyone has any questions concerning their membership status or their dues, please email Terry Monday, K4ZYD, BARC Treasurer, at ta-monday@embarqmail.com

Thank you for your support and participation in BARC.

Girl Scouts and Guides “Thinking Day on the Air” Generates Enthusiasm for Ham Radio

Skip Youngberg, K1NKR; Bill Machia, WM3N, and Dudley Allen, KDoNMD, were among those sponsoring World Association of Girl Scouts and Girl Guides’ “Thinking Day on the Air” (TDOTA) events in February that enjoyed enthusiastic participation. “Thinking Day,” officially February 22, commemorates the birthday of Lord Robert Baden-Powell, the founder of the Scout and Guide movements, as well as that of his wife, Olave, who was the first World Chief Guide.

“Talk about excitement, exhilaration, and satisfaction!” said Youngberg, an ARRL Life Member who got involved in TDOTA through his daughter Jill Galus, KB1SWV. She enlisted his club, the Nashoba Valley Amateur Radio Club (NVARC), to conduct an event in New Hampshire 3 years ago. This year, the NVARC set up in Shirley, Massachusetts, and in Raymond, New Hampshire.

TDOTA traces its heritage to Radio Scouter Les Mitchell, G3BHK (SK), who originated Jamboree on The Air (JOTA) in

1957 and initiated TDOTA about 25 years ago, Youngberg said.

On February 18 in Shirley, Youngberg and his NVARC compatriots introduced 41 Scouts and 15 leaders to world time, phonetics, Morse code, and — perhaps most important — getting on the air. The next day, the NVARC crew packed up and did the same for a similar group in Raymond, where 26 Scouts and 10 leaders “honed their communications experience,” Youngberg said.

Youngberg said the Shirley gathering snagged 25 contacts, including eight DX stations. The New Hampshire demonstrations managed 42 contacts, 23 of them “CW DX demonstration” contacts made during the ARRL International DX Contest.

Youngberg credited the Girl Scout organizers in Massachusetts and New Hampshire with “bravely treading into the unknown,” and said they’re already talking about TDOTA 2018.

In Maryland, Bill Machia,

WM3N, got to thinking about getting Girl Scouts involved in ham radio. He wondered if the Amateur Radio community was missing out on an opportunity.

“I agreed to give a presentation to the Girl Scouts of Central Maryland on Girl Scout Thinking Day,” Machia told ARRL, who focused on generating excitement and interest in ham radio. “As I researched my presentation, I found ARRL had a patch for Girl Scouts, [Radio & Wireless Technology](#). This meant they could go home with an accomplishment patch.”

Machia said he never expected the level of interest that developed. When the head count reached 75, Scout leaders decided to make that the limit. “We are probably going to need a second presentation,” he said.

Read more at <https://go.joeteach.us/20aP5Yy>

February 2017 BARC VE Session Results

On the February 21, 2017 BARC VE session, two candidates attended and one passed Amateur Radio exams.

Daniel Gurnee, Greenville, passed the Technician exam. He was granted his new call sign, **KN4BKQ**, by the FCC on March 1, 2017. BARC congratulates Daniel for his accomplishment and welcomes him to Amateur Radio.

The VE’s that attended were VE Liaison Gary Coriell, KE5ACR, Dave Langley, W4YDY, and Al Mullis, K4GOE.

Gary is now the BARC VE Liaison starting in 2017. It was Al’s first VE session since he recently received his credentials to serve as a Volunteer Examiner. **Thanks Al for your service to Amateur Radio.**

The next
BARC VE
session is
scheduled for
April 18, 2017

Ham Ads

Monday & Monday, CPA's, PA

Certified Public Accountants

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Ham Ads will be run, free of charge in Ham Chatter for three months for each renewal. Ads must be received by the last week of the month to be included in the following issue.

**Send ads to:
Ham Chatter, PO Box 8387,
Greenville, NC 27835, ATTN: Joe Jeansonne
or email to: hamchatter@w4amc.com(no spaces)**

The following equipment is from the estate of Bill Finch, Jr., AI4TN. The prices are negotiable. All equipment is in excellent condition and most have the original boxes, manuals and cables. There are some outstanding radios for the newer hams that want to set up a station. Also there is some digital equipment for those that want to operate digital modes. All proceeds go to Bill's wife.

- | | |
|---|---|
| Bird Wattmeter Model 43 Includes 3 elements | \$300 (100W 2-30MHz & 50W 100-250MHz & 25W 400-1GHz) |
| Icom IC-718 HF* | \$550 |
| LDG Z-11PRO Antenna Tuner | \$110 |
| MFJ-4125 25 Amp PS May be part of 718* | \$45 |
| MFJ-4225MV PS with meters | \$60 |
| Radio Shack PRO-2034 Scanner | \$40 |
| Rigblaster Plus - Cabling for Icoms | \$110 |
| Yaesu FT857D HF/VHF/UHF** | \$600 |
| Icom IC-V8000 VHF FM Xcvr | \$100 |
| MFJ-269 SWR Analyzer HF/VHF/UHF | \$150 |
| MFJ-4125 25 Amp PS May be part of 857** | \$45 |
| Micronta Multitester VOM | \$15 |
| Rigblaster Nomic | \$30 |
| Yaesu VX-7R HT 6M, 2M,440 - 220? | \$150 |
| Yaesu VX-7R HT 6M, 2M,440 - 220? | \$150 |

BARC Regular Meeting Minutes—March 14, 2017

The BARC meeting was called to order at 19:32pm by President Meyer at the VFW hall on Mumford Road. The Pledge of Allegiance, led by **K4ROK** was recited. Cake and ice cream was available for those who wanted it, in celebration of BARC's fiftieth birthday, followed by introductions. Those in attendance are listed in the notebook.

After introductions and the 50/50 drawing President Meyer turned the meeting over to Dave Langley, **W4YDY** who introduced Robert Young, **NC4RY** for his program on the Tarheel antennas. As usual, Robert did a fine job talking about various methods of mounting and using the various Tarheel mobile antennas.

After Robert Young concluded his presentation President Meyer discussed the NCQSO party. Richard, **W4JNC** reported that he had received some QSL cards and needed some stamps. He was reimbursed \$20.00 for two books. Some discussion took place regarding the logging software used for the QSO party, (**N3FJP**'s Field Day software was used). There was some discussion as to what software should be used, in the future, **N1MM** or **N3FJP**. No decision was reached at this time. The conversation then changed to "Pre Field Day readiness." Bernie Nobles, **WA4MOK** reported that he would have a presentation for the June meeting on FD preparations. It was suggested that the club inventory what is in the trailer to determine what the club has--

equipment, antennas, etc. No date was set for this activity.

UPCOMING ACTIVITIES:

April 1st, Touch-a-truck, Charles & Greenville, in the parking lot.
 April 22nd, MS Walk, Greenville Town Common. **N4PIR** Gary volunteered to mention this activity at the next meeting of the PARC. President Meyer reported that he had received an email from Pitt County Emergency Management asking if we were interested in participating with them in an Emergency Preparedness exercise, similar to the ARES activities? The overall response was positive. Bernie Nobles, **WA4MOK** asked if we amateurs would have access to the EOC without ICS300 and 400 training? The answer was uncertain, but, maybe yes. This brought forth some discussion as to where some equipment has gone. Terry Monday **K4Zyd** volunteered to look in to the matter.

It was suggested that a digital station be set up in the trailer, some discussion followed with a question as to the location of the RigBlaster? Is it in the trailer?

We were reminded about the Sky-Warn programs on ECU campus on March 17th.

Dave Wood, **W4EJ** gave a VOA antenna report. He reported that there are four Rhombic antennas, one of which is repaired. The other three are in varying states of disrepair--one of these might be repaired fairly easily by the addition of 200 feet of #12 wire. It might

then be switchable with the other repaired antenna. There are also two Log Periodic antennas, one of which might be repaired by replacing the end connector. Doug Ferris, **K4ROK** added that we would need some fifteen-conductor control cable plus a fairly long stretch of RG8 coax plus power cable to run the motor. Richard Campbell, **W4JNC** questioned the need to do all this work when there is a TA33 JR., new in the box along with a rotator just waiting to be installed?

Gary Faust, **N4PIR** from the Pamlico ARC reported that the next PARC meeting, March 16th, at 7:00PM at the Zion Episcopal Church, will have as its program Charlie Moore, U.S. Navy Capt. Retired. Capt. Moore will present a slide show of his 30 years of service aboard Submarines.

The Treasurer's report indicated a balance of \$3,913.17.

There was no Secretary's report.

There was no Equipment report.

There was no VE report.

The next BARC Board meeting will be March 28th at 19:30pm at the offices of Monday & Monday, 105D east Victoria Court in Greenville.

The meeting was adjourned at 21:37pm.

Respectfully submitted
Albert Sanchez, WA7FXB
 BARC Secretary

7th Annual JWA Touch A Truck

Trucks! Tractors! Buses! Oh my! The Junior Women’s Association of Greenville proudly presented the 7th Annual Touch-A-Truck event for kids of all ages on Saturday, April 1, 2017 from 10am-1pm. Big Rigs, emergency vehicles, construction equipment and all the other big machines that make kids say “whoa!” were on display between the Greenville Mall and Yadkin Bank. Families also enjoyed face painting, bounce houses, food and raffles!

The BARC was at the Touch A Truck event with the ARES trailer to do some PR. Many BARC members came to touch a truck on Jeff’s insistence and it was fun talking to all the little kids and the parents. Volunteers got a few people interested and ham radio. Peter Van Houten **KG4WEZ** says, “We need to do more of this kind of thing.”

See the event photos on the right!



**NETS
VHF/UHF**

- ◆ BARC Net, Mondays, 2000 on 147.09 MHz, W4GDF Repeater.
- ◆ Newport SkyWarn Tues. nights 2100E Grifton-146.685-88.5 tone
- ◆ Newport-145.450..... IRLP 8561 links to Columbia
- ◆ Jacksonville-147.000- 88.5 tone
- ◆ Oriental-147.210-151.4 tone
- ◆ 444 Newport-444.825- 88.5 tone
- ◆ Swansboro-146.760- 88.5 tone
- ◆ Grantsboro-145 230 - 85.4 tone.
- ◆ Kinston Amateur Radio Society Net, 1,3,4 Tuesdays, 2000 hrs. on 145.47 MHz., W4OIX repeater in Kinston.
- ◆ Eastern North Carolina Traffic Net, Every night, 2030 on 146.685 MHz.
- ◆ Wilson Amateur Radio Club Net, Thursdays @ 2000 on 146.76 MHz.
- ◆ Piedmont Coastal Traffic Net, Nightly 2030 on 146.88 MHz.
- ◆ Carteret County ARS (CCARS) Emergency Net, Tuesdays, 1930 on the Newport 145.45 (-) MHz.
- ◆ Coastal Emergency Linking Net, Wednesday, 2100 ET on Ahoskie 145.13, Buxton 145.15, Columbia 146.835 & 443.30, Elizabeth City 146.655, Greenville, 145.35, Hertford 147.33, Williamston 145.41 & 444.25

HF

- ◆ Tar Heel Emergency Communications Net on 3923 kHz Nightly 1930.

NTS CW Nets

- ◆ 3.571 2000 hours, slow speed (5-8 wpm) Carolinas Slow Net
- ◆ 3.573 1900 hours, high speed (20wpm)
- ◆ 3.573 2200 hours, slow speed (12-14 wpm), South Carolina/ North Carolina

Greenville repeaters

147.09/69 - 145.35/144.75

444.8/449.8

All use 131.8 tone

**BARC
CALENDAR OF EVENTS**

April 1.....Touch a Truck Greenville Mall	July 15HAMFEST Cary
April 8 VEC Training	July 22SOS Show Off Shack #4
April 11Club Meeting	July 25 Board Meeting
April 15 HAMFEST RARS fest	August 8Club Meeting
April 18BARC VE	August 12SOS Show Off Shack #5
April 25 Board Meeting	
April 29-30Farmville Dogwood Festival	
April 29-30 Pigskin Pigout	
May 9Club Meeting	
May 20SOS Show Off Shack #3	
May 30 Board Meeting	
June 13Club Meeting	
June 20BARC VE	Regular Meeting - 2nd Tuesday @ 7:30 PM
June 24-25 Field Day	Board Meeting - Last Tuesday

BARC 2 METER NET - MONDAY NIGHTS AT 8:00 PM - 147.09 W4GDF REPEATER - 131.8 Tone
BRIGHTLEAF AMATEUR RADIO CLUB STATIONS
W 1 V O A - W 4 A M C - W 4 U H S

To:



**APR 2017
Next Meeting
April 11, 2017**



Ham Chatter
Brightleaf Amateur Radio Club
PO Box 8387
Greenville, NC 27835