

Ham Chatter



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Meet the Member - Richard Cox, KI4CRD

Richard is one of the new members of BARC and Amateur Radio. He joined BARC in November 2003 and has been a very active member attending meetings. He has been nominated for BARC Secretary for 2005.

Richard really became interested in Amateur Radio in the summer of 2003. He received his Technician license in October 2003 and his call, KI4CRD. He received his General license in November 2003. Over the course of his career, he was exposed to a number of hams that tried to interest in the hobby but he said he always gave the "dumb" answer "I am a professional why would I want to become an amateur". An old friend of Richard's, Fred Thomson, W3BKR, who was first licensed when he was about 13, got him interested during a visit the summer of 2003. He studied on his own and passed the Tech exam and then a month later went to a hamfest in Benson where he passed the code and General test.



Richard Cox, KI4CRD

His equipment consists of a Yaesu FT840, Yaesu SP-6 with a MFJ-941E tuner. His antennas are a dipole and a Hustler 4 band vertical. For 2 meter operation, he has a Yaesu FT1500 transceiver. He prefers operating SSB with a little CW.

Richard is originally from Hueytown, Alabama. His home is in Grifton after living in some 'faraway' places such as California, Washington, DC, Rhode Island, Virginia and Florida. He was in the US Navy from 1955 to 1974 from which he retired as a Chief Radioman. He later worked for the Commonwealth of Virginia from 1978 to 1996. He is presently a Property Manager for a local Real Estate firm. He received Associated Degrees in finance in 1986 and Computers in 2001.

Richard married his childhood sweetheart, Jackie, 48 years ago and they have three grown daughters, four grandsons, 1 granddaughter and great-granddaughter. Now he has to get some of them interested in Amateur Radio and get their license.

BARC always like to involve new members to help with the club duties and BARC is lucky to have members that will step up and help run the club. Richard is one of those. - W4YDY

Next Meeting November 9

The Brightleaf Amateur Radio Club will have its next regular meeting on November 9 at 7:30 PM at VFW Post Home 7032 at 1108 Mumford Road in Greenville. Elections for 2005 will be held. Also, voting will be held for annual awards at the Christmas party. Be ready to vote for Ham of the Year, OM of the Year, YL of the Year, New Ham of the Year and Elmer of the Year. K4MHM, KV4CN and W4YDY have received Ham of the Year in the last 3 years and are not eligible for that award this year.

The program will be Adventure photos by John McCoy, K4KBB. All members, families and guests are invited to attend.

The next board meeting is set for October 26 at 7:30 PM. The meeting is open to all members.

Frank Tate, W4OCT (SK)

Frank A. Tate, 79, died Thursday, Oct. 28, 2004. Frank was a member of the Brightleaf Amateur Radio Club for many years. He was active until just a couple of months ago on the radio, primarily talking most every week to his former VOA friends.

See Page 4 for more about Frank.

President's Corner - Mike KD4MTT

Fall is upon us, and it is a time of change. All around us we see the signs: leaves are changing color and falling, pine straw is being collected and put in flower beds to protect them from winter, stores are already displaying Christmas decorations and may have the spring fashions out by the time you read this, and political ads touting change have been clogging the airways.

I trust that all of you took the time to vote for your choices in the national and state elections. The only way that most of us can take part in shaping our future, is to take part in the process of deciding who

the leaders will be. The voting is over, and depending on how many lawyers were involved, we might actually know the results by the time Ham Chatter is published.

You do have one more opportunity to shape the future, that is the future of BARC, on November 9th. Please come to the Club meeting prepared to vote for a slate of officers for 2005.

In addition to the vote for officers, we will be voting for the peer awards to be presented at the Christmas Party December 8th. Please take some time to think about who you would like to

be Ham of The Year, OM, YL, and Elmer of The Year. Ballots will be distributed and the Popular Vote (we don't have an Electoral College) will determine the award winners. Please keep in mind that, by virtue of past awards, Murray Merner, Dave LeMoine, and Dave Langley are not eligible for Ham of The Year.

I look forward to seeing everyone at the meeting..

Mike, KD4MTT

Club Equipment

For several months now we have been discussing additional equipment needs for the Club. The list below represents items that were suggested and representative pricing for each. Let's finalize the list and approve their purchase at the next meeting.

Heil Adapters

AD-1-K8	Kenwood 8-pin	\$17
AD-1-YM	Yaesu Modular	\$17
AD-1I	Icom 8-pin	\$17
HS-1	Hand Switch	\$25

Icom 706 Accessories

UT-102	Voice Synthesizer Unit	\$55
FL-101	250 HZ CW Filter	\$95

Dunestar Bandpass Filter

300-4 80M Filter \$54

The tilt base for Rohn tower is no longer available. Apparently there were some safety issues with them. We will have to build something locally to replace it. Several designs are already being discussed.

Storage cases for transport and storage of the club radios were discussed at the last meeting with Byron bringing samples. Please be prepared to finalize the selection of cases.

Thanks to all for their input. If you see things that need to be added to the list, please bring part number and price to the meeting.

Mike, KD4MTT



Happy Birthday

Brightleaf Amateur Radio Club members birthdays in **November**.

1	KA4WFS	Walter Verdick
1	WA4SLD	Bernice Turnage
8	KD4NHZ	Walter Allen
13	KE4CTL	Joyce Robins
21	KF4VHH	Jim Smith
25	KI4DLO	Philip Garrett
26	W4RGF	Robert Sickels

Please let me know of any additions or corrections. - W4YDY

Well Wishes

Thoughts and Prayers go out to the following:

Jeff Hardee, K4RJF
Gail Manning, wife of Mac Manning,
 KD4AFL
Bernice Turnage, WA4SLD

Please inform Bryon Highland, K4BMH, of any changes.



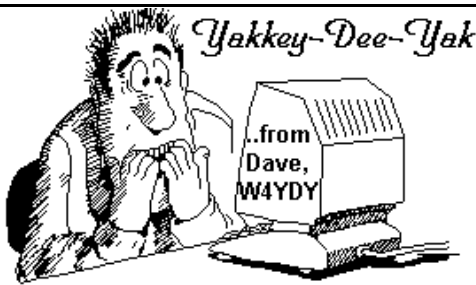
BARC Nominees for 2005

Nominees for BARC Officers for 2005 will be voted on at the November meeting. The nominees are:

President; Mike Langley, KD4MTT (I)
First VP; Byron Highland, K4BMH (I)
Second VP; Dan Drake, KG4ISO (I)
Secretary; Richard Cox, KI4CRD
Treasurer; Terry Monday, KI4WEW
Director; John McCoy, K4KBB
Director; Taylor Millar, W4WTM

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Daylight Savings Time just ended so it will be getting dark an hour sooner. The grayline will be an hour earlier for sunrise and sunset local times. For those that get home after dark, maybe you can get up earlier and work a little DX before going to work.

I noticed a local newspaper, (I will not name it) had their weekly "Laurels and Darts". One of the Darts the day before the time change stated that those working would lose an hour of daylight before and after work so that was the reason for the Dart. So, I guess that at that newspaper, the sun comes up an hour later and sets an hour sooner! What kind of planetary system do they have?

Reminds me of when they first started DST back around 1970, one of my Raleigh neighbors was very upset. She said we already had enough hot sun in the summer and with the extra hour of sun, it would burn her grass up! I don't know if she figured out a solution or not. It didn't seem to make any difference on my grass....

"It ain't gona' be like this all the time, it's gona' get worse!" That's what an old friend of mine said many times and he said he was an optimistic person. The BPL situation does not look good. I think big money has bought off the FCC and politicians as usual. I think BPL will eventually destroy the HF bands if left unchecked. They already admit that BPL radiation will extend over a quarter mile (About 1509 feet - see article at bottom of page 6) from the power lines. I have underground power lines to my home but overhead lines are only 750 feet from my Amateur Radio antennas. That is the case

for most that have underground lines. Suppose you are lucky enough not to have BPL interference. It you are the only one, who is going to hear you? Every Amateur Radio licensee should be concerned. Listen to the mess between 3.990 and 4.0 MHz. (More about that on Page 7). BPL will probably sound like that.

I don't know all the technical details of BPL, but it looks to me that if one stretches an antenna across every state in the lower 48 and apply RF to it, low power or high power, anyone would

be able to pick up the signals. There are several other ways to get high speed internet to homes so BPL is not needed. It's just that money wants to make more money! Just because the power lines are in place, equipment will still be needed on power poles to transmit the RF.

Read the BPL articles on pages five and six. **The FCC Report and Order states that Amateur Radio frequencies do not warrant special protection.**

"It ain't gona' be like this all the time, it's gona' get worse!" - W4YDY

Build your own Icom 706 703 718 tune module by Terry Zipes, WD4AQX

Many of us in the club are running an Icom 706, 718 or 703. I have seen ads for a tune module for those rigs as high as \$35.00.

For those who do not know what a tune module is, it is a device that plugs onto the tuner plug of those rigs that allows the tune button to transmit a 10W CW signal for tuning an antenna. If one has an auto tuner, pressing the tune button automatically transmits a 10W CW signal and allows the auto tuner to tune the antenna. For those of us that don't have an auto tuner, tuning those Icom rigs takes several steps. Being able to simulate having a tuner greatly simplifies the tuning process.

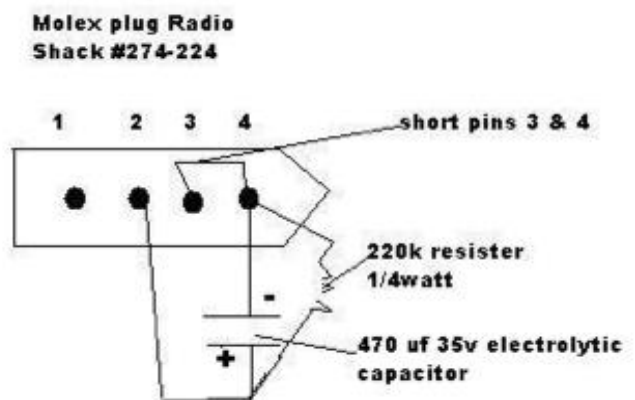
Having ordered a tune plug for my first Icom 706, I saw how simple a circuit it was to build. Certainly not worth \$35.00. I decided to see if I could build one and how little it would cost. The actual parts cost is less than \$4.00.

All parts are readily obtainable from Radio Shack. The Molex plug is Radio Shack part # 274-224. The capacitor is 272-1030. And lastly if

you do not have a 220K resistor in the shack a box of 5, part # 271-1132 can be had..

Assembly is simple. Take the negative lead of the 470 uf and one end of the resistor as well as a small shorting wire and solder it to the pin closest to the pointy end of the plug, (pin 4). Solder the other end of the shorting wire to the next pin, (pin 3). Lastly solder the + lead of the cap and the resistor to the 3rd pin from the pointy end, (pin 2). That is it.

Cover the components and plug with tape to prevent touching the leads. Plug it into the back of the rig, hit the tune button and you will output 10W CW for about 15 seconds. Repeat as necessary. - WD4AQX



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N4MC's Vanity HQ Web site to go dark



M i k e Carroll, N4MC, has announced that he no longer is supporting his Vanity HQ Web site "At some point in the near future, the www.vanityhq.com domain will no longer be active," he said in an announcement on the site. "This is not an action based upon lack of funding, but a shift in my priorities. Thanks to all!"

Over the past several years, the Vanity HQ site often has been the first stop for those interested in obtaining an Amateur Radio vanity call sign. Among other information, it has provided a list of recently issued vanity call signs as well as available call signs and active vanity call sign applications. Carroll announced in February that the popular site's future viability was hanging by a thread, and he indicated then that he'd eventually have to pull the plug on the site. - *via ARRL*

Editor's Note: When I decided to get a vanity call for a club station, I used the Vanity HQ site for information. Most of all, it listed info about applications in progress, when the vanity call would be assigned and sometimes who would get the call sign. It has been a valuable service. N4MC is to be commended. - *W4YDY*

Frank Tate, W4OCT, (Silent Key)

Frank A. Tate, W4OCT, 79, died Oct. 28, 2004. The funeral service was conducted October 30 in the Wilkerson Funeral Chapel in Greenville. Burial followed in Pinewood Memorial Park.

Frank was a long time member of the Brightleaf Amateur Radio Club. He was active on the HF bands until a couple of months ago. He met on 40 meters most Thursday mornings with some of his fellow VOA retirees. He also contacted some of them on 20 meters regularly.

Frank was a native of Laurel, Mississippi. He served in the United States Navy in the aviation branch during World War II. He joined the International Broadcasting Division of the Voice

of America in 1951. Frank moved to Greenville in 1974 as deputy manager of the Greenville Relay Station and he retired in 1979. He was a member of St. James United Methodist Church.

Betty Tate, his wife, preceded him in death in 1998.

Surviving are a son, Henry B. Tate II and his wife, Teresa, of Mebane; three daughters, Elizabeth Tate Born and her husband, Kenneth E., of Warrenton, Va., Patricia E. Tate of Greenville, and Carol Tate Scott and her husband, Marshall, of Olathe, Kan.; and four grandchildren, Michael T. Morrison Jr., Julie E. Lamberth, Kenneth E. Born, Jr. and Edith L. Tate.

BARC Technician Class cancelled

Bob Moore, N4USB, will teach the two applicants at his home. The club voted for him to get materials from the ARRL. Bob thanks all the instructors that volunteered to help with the class.

Email addresses

Please send me your new addresses so I can update my records. I need the correct addresses to notify members when the latest *Ham Chatter* goes online, important notifications and update the email roster on the web site. - *W4YDY*

Next VE Session

The next Brightleaf Amateur Radio Club VE session will be held on **December 17**. Exams will be held at St. Peter's School on 5th Street and will start promptly at 6:30 PM. Tom Parsons, W4TEP, 355-2815. w4tep@arrl.net. Please bring the following:

- ◆ Photo ID (drivers license)
- ◆ Original Amateur Radio License
- ◆ Copy of Amateur Radio License
- ◆ Original CSCE's
- ◆ Copy of CSCE
- ◆ Test fee is \$12.00
- ◆ Proof of Tech Plus if before 3/21/87 and doing paper upgrade to General.

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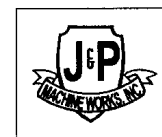
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FCC drops the other shoe on BPL

FCC BPL Report and Order stresses interference avoidance, resolution



The FCC this week released the full BPL Report and Order (R&O) in ET Docket 04-37 that it adopted just two weeks earlier. While extolling the purported benefits of broadband over power line technology, the 81-page document also declares the FCC's intention to protect licensed services from harmful interference.

"We recognize that some radio operations in the bands being used for Access BPL, such as those of Amateur Radio licensees, may occur at distances sufficiently close to power lines as to make harmful interference a possibility," the FCC conceded in its R&O. "We believe that those situations can be addressed through interference avoidance techniques by the Access BPL provider such as frequency band selection, notching, or judicious device placement."

Notches would have to be at least 20 dB below applicable Part 15 limits on HF, 10 dB below on VHF. The FCC called the ability to alter a system's operation to notch out transmissions on specific frequencies where interference is occurring "a necessary feature for resolving interference without disrupting service to BPL subscribers."

In line with remarks made at the October 14 open meeting where the FCC adopted the R&O--then still in draft form--the FCC declined to reduce the Part 15 radiated emission limit for BPL systems. It maintained that emissions from BPL systems are very localized and at low enough levels to generally preclude harmful interference.

The FCC said it had no evidence before it that BPL operation would significantly contribute to generally raising background noise levels. At the same time, it seemed to put some of the onus on Amateur Radio licensees to take steps to avoid power-line interference--and, by inference, BPL interference--in advance.

"In addition, because power

lines inherently can radiate significant noise emissions as noted by NTIA and ARRL, good engineering practice is to locate sensitive receiver antennas as far as practicable from power lines," the FCC said.

In a footnote, the FCC took pains to advise ARRL that in cases where its members experience RF noise, "such noise can often be avoided by carefully locating their antennas; in many instances an antenna relocation of only a relatively short distance can resolve noise interference."

BPL operators would be required to avoid certain bands, such as those used for life and safety communications by aeronautical mobile or US Coast Guard stations. The FCC R&O makes clear, however, that similar rules will not apply to the Amateur Service.

"We similarly do not find that Amateur Radio frequencies warrant the special protection afforded frequencies reserved for international aeronautical and maritime safety operations," the Commission said. "While we recognize that **amateurs may on occasion assist in providing emergency communications,**" the FCC added. **It described typical amateur operations as "routine communications and hobby activities."**



Although some cases of harmful interference may be possible from BPL emissions at levels up to Part 15 limits, the FCC said, "we agree with NTIA [National Telecommunications and Information Administration] that the benefits of Access BPL service warrant acceptance of a small and manageable degree of interference risk." The Commission reiterated in the R&O its belief that BPL's public benefits "are sufficiently important and significant so as to outweigh the limited potential for increased harmful interference that may arise."

Among other specific provisions, the FCC's new rules mandate certification of BPL equipment instead of the less-stringent verification, a public BPL database--something the BPL industry

did not want--and mechanisms to deal swiftly with interference complaints. BPL systems will have to incorporate the ability to modify operation and performance "to mitigate or avoid potential harmful interference" and to deactivate problematic units, the R&O says.

Further, the new rules spell out the locations of "small geographic exclusion zones" as well as excluded bands or frequencies--concessions made primarily at the insistence of the NTIA, which administers radio spectrum for federal government users--and "coordination areas" where BPL operators must "precoordinate" spectrum use. The rules also detail techniques to measure BPL emissions from system equipment and power lines.

The FCC said it expects "good faith" on both sides in the event of interference complaints. While the Commission said it expects BPL operators to take every interference complaint seriously and to diagnose the possible cause of interference quickly, it also suggested that complainants have responsibilities.

"At the same time, we expect the complainant to have first taken reasonable steps to confirm that interference, rather than a receiver system malfunction, is occurring and, to the extent practicable, to determine that the interference source is located outside the complainant's premises," the Commission said.

Shutting down a BPL system in response to a valid interference complaint "would be a last resort when all other efforts to satisfactorily reduce interference have failed," the FCC said.

League officials are studying the R&O and considering possible responses. The ARRL Executive Committee (EC) already has authorized filing a Petition for Reconsideration. The EC also authorized ARRL General Counsel Chris Imlay, W3KD, to "prepare to pursue other available remedies as to procedural and substantive defects" in the BPL proceeding.

For more information on BPL, visit the "Broadband Over Power Line (BPL) and Amateur Radio" page <<http://www.arrl.org/>> on the ARRL Web site. - via *ARRL Letter Online* 10/29/04

BARC Monthly Minutes - October 2004

BARC Monthly Meeting 10-12-2004
VFW Hall - Mumford Road

Mike Langley, KD4MTT, Club President, welcomed everyone to the meeting. He asked us to introduce ourselves giving our name, call letters, and town. The book was passed around for all to sign in.

The club meeting minutes from the last meeting were approved.

SECRETARY'S REPORT: Taylor, W4WTM, reported receiving the newsletters from both the Greensboro and Kinston clubs.

TREASURER'S REPORT: John, K4KBB, reported a good 50/50 amount going to the bank. He also reported on expenses and income for the month plus gave total balances on hand in the bank account. It was also mentioned filling out IRS form 990 to retain our non-profit status. It was reported that the Carteret group was selling tickets for a nice grill. It was asked if anyone has a better raffle or fund raising idea?

HEALTH AND WELFARE: Pat, KG4NSC, was asked to reported that Jeff Hardee was still at Life Care in Rocky Mount and doing good. He was expecting to be released at the end of October.

EQUIPMENT: Mike, KD4MTT, said that we are still trying to put together a list of equipment needs for the club.

PUBLICITY: Pat, KG4NSC, reported that two notices were put in the Daily Re-

flector and the East Carolinian newspapers. Also he was on TV with Channel 7's Amanda Ross.

TECHNICIAN CLASS: It was reported that only two people came to take the class. One person was from Washington. The club approved a motion to get course text materials and DVD needed for the Technician Class. Robert is to purchase the needed materials.

EMERGENCY COMMUNICATIONS: Byron Highland, K4BMH, needs control operators. He said that everyone should take net control for at least one night. Doug, K4ROK, mentioned that anyone with training information should offer this on the net, and training does not need to be emergency communication.

The Set will be on Saturday, Oct. 30th. Dave Pulver will be helping to man the radios at the Eastern Branch in Kinston with a disaster theme from 8 AM to noon. The link systems will be up for this test. It was also reported that the hospital radio setup was not good at this time.

The SERA (Southeast Repeater Association) meeting will be the 2nd Saturday in November in Columbia, NC. Bring 5 dollars for your lunch.

Doug also mentioned the Special Olympics will be returning and will need our help next March.

HAM CHATTER: Dave Langley, W4YDY, reported going to only 8 pages with the good paper. He also mentioned

having extra copies on hand for anyone who wants them.

VE SESSIONS: The date for the next VE Session was announced as Dec. 11th, and it will be held at St. Peters School on 5th Street as usual.

OLD BUSINESS: Mike Langley announced the slate of new officers coming from the nominating committee. We will vote at the next meeting.

It was reported that the tower was put up at Oakwood School. Operation North Pole Network was discussed. There was a good turnout at the Maysville Ham Fest.

NEW BUSINESS: Bob mentioned putting Ham books in local libraries. It was mentioned to identify the 09 repeater since the repeater automatic ID was not working.

PROGRAM: Tonight's program, Antennas, was by Tom McLaughlin, KE4NQP. Tom told us the technical aspects of antenna design, and much more. It was a very informative program enjoyed by all.

ADJOURNMENT: With no further business, the meeting adjourned about 9 p.m.

Respectively submitted by

Taylor Miller, W4WTM

Secretary

State Utilities Commissions' BPL Task Force session yields some insights

ARRL Chief Technology Officer Paul Rinaldo, W4RI, represented the League this week at a meeting of the National Association of Regulatory Utilities Commissioners (NARUC) Broadband over Power Lines (BPL) Task Force. Michigan Commissioner Laura Chappelle chaired the October 24 gathering in Alexandria, Virginia. Its aim was to give NARUC BPL Task Force members an overview of federal regulations, an industry perspective, and insight into potential state regulatory issues related to BPL. NARUC consists of state utility regulators who have no jurisdiction over RFI issues, Rinaldo explained after the meet-

ing.

"However," he said, "it's good that they are aware that there's a potential interference problem that could complicate life at the local level when hams complain to utilities about interference." On the other hand, he noted during his presentation, "BPL may be a distraction from a utility's main function of delivering reliable power to customers." During a question-and-answer session, the state utility commissioners posed no questions regarding BPL interference, Rinaldo said.

Rinaldo's presentation, "BPL-- Amateur Radio Perspective," pointed out a paradox in the new regulations: "The

R&O excludes frequency bands for those facilities typically away from BPL installations," he said. "However, it does not exclude frequency bands for those stations, such as Amateur Radio, typically closest to residential BPL installations." Rinaldo noted that ARRL and National Telecommunications and Information Administration (NTIA) BPL measurements "are consistent" with each other. The NTIA had determined that even at Part 15 emission limits for reception of low to moderate-strength signals, BPL interference extends out 460 meters (approximately 1509 feet) for fixed sta-

(Continued on page 7)

State Utilities Commissions' BPL Task Force

(Continued from page 6)
tions.

Among suggested BPL "best practices," Rinaldo recommended that BPL providers exclude Amateur Radio bands "by design" rather than awaiting complaints. If complaints do arise, BPL providers should "promptly eliminate interference," he said. Rinaldo also stressed Amateur Radio's emergency communication role.

Precursor Group CEO Scott Cleland spoke on "The Alchemy of Broadband over Power Lines." While focused primarily on investments, Cleland's presentation also asserted that that technical alchemy "has finally overcome the heretofore insurmountable barrier of noise interference in an economically viable way."

The United Power Line Council's Brett Kilbourne told the gathering that all technical problems confronting BPL had been solved and that it was time to roll it out. "I bit my tongue," Rinaldo remarked later.

During a discussion on "open access," Rinaldo said, the mood of the Commissioners was not to regulate how many BPL providers might have access to a given utility system, "which logically means that only one provider would be practical," he concluded. "That is, if one provider hogs all the bandwidth and/or time on the bands not notched, it would be virtually impossible to have the original provider back out just to let a competitor in."

Franca and Current Technologies' Jay Birnbaum allowed that there wasn't much bandwidth to begin with, and, Rinaldo said, subdividing it wouldn't make much sense.

Discussion also touched on the timing of BPL rollouts and competition from well-established cable and DSL as well as growing wireless system providers. "From the discussion, I got the impression that rollout would take about 4-1/2 years," Rinaldo said. "Over that time, cable, DSL, fiber, wireless and satellite broadband providers will provide strong competition." - *via ARRL Letter Online 10/29/04*

Ham Ads

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: Dave Langley** or email to: **w4ydy@qsl.net**

For Sale: Old but working TS-520 & FT-101. Sell or trade for middle aged computer stuff. David Gaytko, WD4KPD, 252-946-6393

For Sale: Icom IC-745 Price \$400 negotiable. Bill Dawson, WA4SLC, 946-4760 or dawsonw@mail.ecu.edu.

Digital Broadcast troublesome

A digital broadcast signal on 3995 kHz has prompted some members of the amateur community to contact ARRL to say it's QRming the top 10 kHz of 75 meters and asking what can be done about it. Not much, as it turns out. The signal, from Deutsche Welle in Germany, is legal since radio amateurs share that part of the band with broadcasters in Region 1 (which includes Europe). The international Radio Regulations do leave the door open to request that the station reduce power or change its antenna pattern, however.

"Digital shortwave will revolutionize cross-border broadcasts and will initiate a worldwide renaissance of radio," Deutsche Welle Director General Erik Betermann said this month during a panel discussion at Munich Media Days. Deutsche Welle plans to gradually shut down its analog shortwave transmissions, he said, as DRM receivers became more available globally--something not anticipated until late 2005.

Although the station has been broadcasting for some time on the same frequency in conventional AM, it's attracted more notice from hams since July, when it began testing using digital format--also referred to as "DRM," (Digital Radio Mondiale, French for "Digital Radio Worldwide"). Of course, the vagaries of propagation will be a big factor as to the amount of interference US hams experience at any given time. - *Editors Note:* Tune in at night and see how it wipes out the top 10 kHz on 75 Meters. - *W4YDY*

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NETS

VHF

- ◆ BARC Net, Mondays, 2000 on 147.09 MHz, W4GDF Repeater.
- ◆ Pitt County Emergency Communications Net, Mondays, 2100 on 147.09 MHz. (131.8 Hz 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, Monday 2030 on 146.76 MHz.
- ◆ Piedmont Coastal Traffic Net, Nightly 2030 on 146.88 MHz.
- ◆ Newport WFO SKYWARN Net, Tuesday, 2100 on 145.21 MHz
- ◆ Carteret County ARS (CCARS) Emergency Net, Tuesdays, 1930 on the Newport 145.45 (-) MHz.
- ◆ Coastal Emergency Linking Net, Wednesday, 2100 ET on Williamston 145.410 & 444.250, Columbia 146.835 & 443.300, Rocky Mount 147.120, Ahoskie 146.910, Franklin, VA 147.300, Farmville 145.270
- ◆ Beaufort County Emergency Communications Net, Thursday 2000 on 147.345 MHz. Preceded by Newsmen at 1930.

HF

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

NTS CW Nets

- ◆ 3.695 2000 hours, slow speed (5-8 wpm) Carolinas Slow Net
- ◆ 3.573 1900 hours, high speed (20 wpm)
- ◆ 3.573 2200 hours, slow speed (12-14 wpm), South Carolina/North Carolina

NC ARES Internet

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

BARC

CALENDAR OF EVENTS

Nov 6-7.....	ARRL CW Sweepstakes	Jan 11.....	Regular Meeting
Nov 9.....	Regular Meeting	Jan 25.....	Board Meeting
Nov 21.....	Benson Hamfest	Jan 29-30.....	CQ WW CW 160M Contest
Nov 20-21.....	ARRL SSB Sweepstakes	Jan 29-30.....	ARRL VHF Sweepstakes
Nov 27-28.....	CQ WW CW DX Contest	Jan 29.....	Ham Chatter Deadline
Nov 30.....	Board Meeting	Feb 8.....	Regular Meeting
Dec 1.....	Ham Chatter Deadline	Feb 12-13.....	CQ WPX RTTY Contest
Dec 4-5.....	ARRL 160 Meter Contest	Feb 19-20.....	ARRL CW DX Contest
Dec 11-12.....	ARRL 10 Meter Contest	Feb 22.....	Board Meeting
Dec 14.....	Christmas & Awards Party	Feb 26.....	Ham Chatter Deadline
Dec 17.....	VE Session	Feb 26-27.....	CQ WW SSB 160M Contest
Dec 28.....	Board Meeting		
Jan 1.....	Ham Chatter Deadline		Regular Meeting - 2nd Tuesday @ 7:30 PM
Jan 4-5.....	ARRL RTTY Roundup		Board Meeting - Last Tuesday @ 7:30 PM

BARC 2 METER NET - MONDAY NIGHTS AT 8:00 PM - 147.09 W4GDF REPEATER - 131.8 Tone
 PCEC 2 METER NET - MONDAY NIGHTS AT 9:00 PM - 147.09 W4GDF REPEATER - 131.8 Tone
 BRIGHTLEAF AMATEUR RADIO CLUB STATIONS

W 4 A M C - W I V O A

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November 2004
Next Meeting
November 9

To:



PO Box 8387
 Greenville, NC 27835

Ham Chatter