

Ham Chatter



Volume 36 Issue 9

An Official BARC, W4AMC, Publication

September 2002

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Contributing Editor: Murray Merner, K4MHM

Meet the Member Leland Tucker, Jr., WB4RQG

In 1960, there was a Saturday morning ham radio class at the Channel 9 TV station taught by Heber Adams, W4GDF, and Charlie Wells, K4SKI. Leland attended not because he had an overwhelming interest in radio as some others have experienced, but because his friend Edward, the son of Walter Dail (SK) was going. "It was an adventure." So at the ripe old age of 12, he got his novice license with the call sign WN4CFF and became a member of the Greenville Amateur Radio Club. But as many others did, he let his license lapse.

Leland was born and raised in Winterville, NC where he graduated from high school. He attended ECU for two years majoring in Industrial Technology

(Continued on page 7)



Leland Tucker, Jr., WB4RQG

Officer Nominations for 2003

The nominating committee will present the slate of officers for 2003 at the September meeting. Nominations can all be made from the floor at the meeting and anyone may volunteer to run for an office. The nominations are as follows:

President
Dave LeMoine, KV4CN

1st Vice President
Mark Weil, KD4SRK

2nd Vice President
Jeff Hardee, K4RJH

Secretary
Taylor Millar, KG4SNC

Treasurer
John McCoy, K4KBB

1 Yr Trustee
Mike Langley, KD4MTT

2 Yr Trustee
Richard Campbell, KG4SNE

On the nominating committee were Bernie Nobles, WA4MOK, John McCoy, K4KBB, Bonnie Pulver, KG4CZW, Murray Merner, K4MHM and Dave Langley, W4YDY.

"I think we have some good people for the new year. Working together we can accomplish anything."
WA4MOK

*** ATTENTION *** NOTICE! CHANGE! NOTICE!

Due to the North Carolina election that was delayed to September 10, the VFW is not available to BARC. Regular elections are held on the first Tuesday. **We will meet in the library at St. Peter's School on Fifth Street in Greenville. We will return to the VFW for our meeting in October.**

Next Meeting September 10

The Brightleaf Amateur Radio Club will have its next regular meeting on September 10 at 7:30 PM at St. Peter's School on 5th Street in Greenville. Meeting location is for September ONLY. The delayed North Carolina elections will be using the VFW on September 10. VOTE and come the BARC meeting.

Program: Bernie Nobles, WA4MOK, will discuss grounding techniques.

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

Charlie Knowles Jr. K4NBH (SK)

Charlie Knowles Jr., 83, a Life Member of BARC, died Aug. 16, 2002, at his home. A graveside service was conducted August 18 in Pinewood Memorial Park with Masonic Rites.

Charlie was preceded in death by a granddaughter, Jenna Stanley; and two brothers and two sisters.

Surviving are his wife, Elizabeth J. Knowles of the home; son, Charlie Larry Knowles and wife, Carolyn, of Montgomery, Ala.; daughter, Ann Knowles Stanley and husband, Tom, of Marietta, Ga.; grandson, Christopher Stanley of Atlanta; brothers, J.

(Continued on page 5)

President's Corner *Dave, KV4CN*

Operating. Amateur radio is about operating a radio. A club is about members with a common interest. So we ought to get together more and operate radios. As a club, lets consider entering the ARRL November Sweepstakes. There is one weekend for CW and two weeks later, a weekend for SSB. We don't have to run the whole contest, just enough to have some fun as a group. Please give it some thought and voice an opinion at the next meeting. Another idea is to start a weekly digital net (PSK on 10 m or 40 m).

Emergency communications is another area of on-the-air operating. Learn to be a net control operator, and check into the weekly BARC and ARES nets. It may not seem important to check into the net, but repetition builds confidence, and it is important to learn each other's voice on the air. The net control operators will tell you that they recognize the individual from their voice before they give their call sign. Perhaps we can have a monthly net control operator training night (I am still planning a monthly SkyWarn net once I determine an available week). The net control script is on the BARC web site. Print it and keep it near the radio.

The club will teach the Boy Scout Radio Merit Badge next January and February (3 Saturday mornings). This is a great way to reach youth. More information later. If you have any interest in "Operation Santa Claus", I would like to

hear from you. This would be an event held close to Christmas on the pediatric ward at Pitt Memorial Hospital where children could talk to Santa on the radio. Other clubs have done it with great success. Planning needs to start now so let me know.

Last month's message was about CW. If there is interest, we can have a class (or a meeting program) on how to learn the code. Not a code teaching class, since learning the code is best done by yourself, for short periods, on a frequent, and consistent basis, but a class on how to do it, where to start, etc. Passing the code and a little book study will open up more radio spectrum for operating. Don't feel that upgrading is a lonely proposition. There is a bunch of us that can help.

See you at the meeting.
73, Dave KV4CN

73, Dave, KV4CN

Wives and Hamfests

A bum, who obviously has seen more than his share of hard times, approaches a well-dressed gentleman on the street. "Hey, Buddy, can you spare two dollars?"

The well-dressed gentleman responds, "You are not going to spend in on liquor are you?"

"No, sir, I don't drink," retorts the bum.

"You are not going to throw it away gambling, are you?" asks the gentleman.

"No way, I don't gamble," answers the bum.

"You wouldn't waste the money at a hamfest for radio equipment, would you?" asks the man.

"Never," says the bum, "I am not a ham."

The man asks the bum if he would like to come home with him for a home cooked meal. The bum accepts eagerly. While they are heading for the man's house, the bum's curiosity gets the better of him.

"Isn't your wife going to be angry when she sees a guy like me at your table?"

"Probably," says the man, "but it will be worth it. I want her to see what happens to a guy who doesn't drink, gamble or go to hamfests.

Author unknown!

Silent Auction

At the September meeting, there will be a silent auction of equipment donated to the club. The majority is from Tommy Lang, WD4PYO. The equipment will be displayed at the meeting with an auction slip. Write your bid amount and call sign on the slip of the item(s) that you are interested in acquiring. Highest bid at the end of the meeting wins. Minimum bid increment amount is \$1.00. Money goes to the club.

Items up for bid are:

1. Larsen LM-150 mag mount antenna
2. Azden 2m FM mobile radio #PCS-4000
3. Astatic Microphone
4. Azden 2m FM mobile radio #PCS-6000H
5. Heathkit remote coax switch 5 position #SA1480
6. Kenwood power supply KPS-7 13.8V, 6A (7A ICS)



Happy Birthday

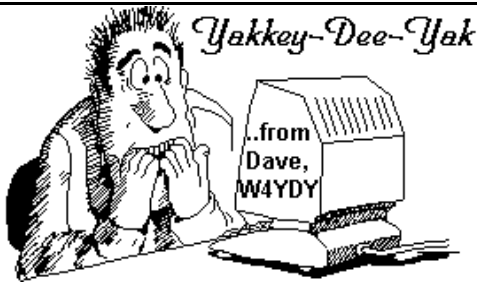
Brightleaf Amateur Radio Club members birthdays in **September**.

- | | | |
|----|--------|--------------------|
| 1 | KG4NSC | Pat Williams |
| 1 | KC4ROR | Rose Wainwright |
| 5 | KQ2V | Br. Simon Jaworski |
| 6 | KD4MTT | Mike Langley |
| 7 | KF4MTL | Brian Hardee |
| 8 | KD4NRB | Harold Bailey |
| 20 | W4FA | John Schultz |
| 24 | N4BSI | Hassell Bailey |
| 29 | N4WHT | Hugh Lindsley |

Please let me know of any additions or corrections. - *WAYDY*

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Fall, 2002
TECHNICIAN LICENSE COURSE
BRIGHTLEAF AMATEUR RADIO CLUB

Text: *Now You're Talking* (4th edition)

Class time: Start 9:15 a.m.

Course Coordinator: Murray Merner, K4MHM Phone: 757-3429

Location: To be announced

This issue of *Ham Chatter* marks a milestone for me. In 1969, I was asked to be the first editor of a newsletter for the Raleigh Amateur Radio Society.

We had just started the club a couple of months earlier and it was felt that the club needed a newsletter. I had no experience with a newsletter, so it was a learning experience. I was told that if I would take it, it would only last a few months and they would get another editor. Over five years later and after 63 issues of the *RARS News*, another club member took over the editing job. It's been said that I moved to Oklahoma City just to get away from it!!

The August issue of *Ham Chatter* was the sixty-third issue, so this issue breaks my old record with the *RARS News*. I didn't think I would come close to the *RARS News* record with *Ham Chatter* and I didn't think I would be meeting deadlines for this long again.

I want to thank the club members and past and present officers for their support and for sending information and articles to me. Also many thanks to Contributing Editor Murray Merner, K4MHM, for his many articles and the popular (I hope) *Meet the Member* feature. Thanks to those that helped with the printing and stamp donations to save the club money.

I don't know how much longer I will do this, but it will come to an end. (No more deadlines!!!)

Next month, I will write about another milestone in my Amateur Radio experience. - *W4YDY*

Orientation Murray Merner, K4MHM
 Sep 14

Session 1 Chapter 5: Basic Electrical Principles
 Sep 21 Murray Merner, K4MHM

Session 2 Chapter: 6: Circuit Components
 Oct 5 Bill Dawson, WA4SLC

Chapter 8: Amateur Radio Signals and Emissions
 Bill Dawson, WA4SLC

Three more sessions plus VE session dates will be in the next *Ham Chatter*.

2002 Simulated Emergency Test (SET)

The Simulated Emergency Test (SET) will be held on October 5 and 6, 2002. If you are unfamiliar with the SET, please see the following which was copied from the ARRL web site.

"The ARRL Simulated Emergency Test is a nationwide exercise in emergency communications, administered by ARRL Emergency Coordinators and Net Managers. Both ARES and the National Traffic System (NTS) are involved. The SET weekend gives communicators the opportunity to focus on the emergency communications capability within their community while interacting with NTS nets. SET weekend is held in October, and is announced in QST." (<http://www.arrl.org/FandES/field/pscm/sec1-ch2.html>).

Traditionally, the North Carolina ARRL Section has done very well nationally in the test. Last year we finished in first place. Pitt County has also done well and, last year, finished second in North Carolina. For the results of the 2001 SET, please see pages 87-89 of the July 2002 QST. We want everyone to be a part of the 2002 SET. Participation can be as simple as checking into the net established during the SET. If you are newly licensed and haven't checked into a net, this is the perfect occasion to start. Everyone is welcome and encouraged to participate. If you have any questions, bring them up on the weekly Monday night ARES net or bring them to the meeting. For now, please reserve some time on October 5 & 6. *Dave, KV4CN*

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Final two ham antennas installed aboard Space Station

The last two Amateur Radio on the International Space Station (ARISS) antennas were installed during a space walk. The installation wraps up work that began last January when the first two of the four Italian-designed antennas were attached to the ISS exterior. During the second of two space walks this month, two members of the Expedition 5 crew attached essentially identical VHF-UHF flexible-tape antennas to the ISS Service Module on August 26. The space walk--or EVA (extra-vehicular activity)--had been postponed from August 23.

Expedition 5 Flight Engineer Sergei Treschev, RZ3FU, joined Crew Commander Valery Korzun, RZ3FK, during the nearly 10-hour-long space walk. In addition to installing the new ham radio antennas, the pair prepared the station for upcoming space walks and worked with Russian and Japanese experiments on the station's exterior.

Installation of the new ARISS antennas on the Zvezda Service Module--the crew's living quarters--makes possible two separate ham stations aboard the orbiting outpost--one for VHF operation, the other for UHF (70 cm). Similar flexible-tape antennas for VHF-UHF and for HF were installed during January space walks by the Expedition 4 crew, although there is not yet any HF gear aboard the ISS.

The newest two VHF-UHF flexible tape antennas--designated WA1 and WA2--were installed along the perimeter of the aft end of the Zvezda Service Module, near the Soyuz docking port.

ARISS is an international project sponsored jointly by ARRL, NASA and AMSAT. A paper entitled "2001: an Amateur Radio Space Odyssey on the International Space Station," which details the development of ARISS and discusses the four new ARISS antennas, is available via the ARISS Web site <<http://ariss.gsfc.nasa.gov/EVAs/amsat01.pdf>>. - via *ARRL Letter Online* 8/30/02

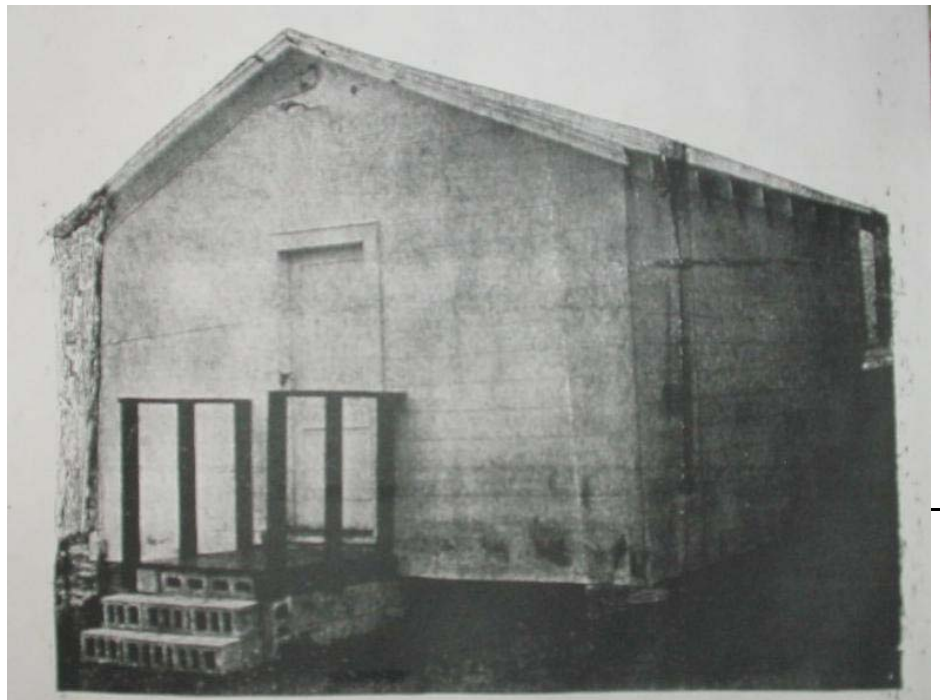
The end of the line for Radio Amateur Callbook

Radio Amateur Callbook is throwing in the towel and will cease publication of its CD-ROM Callbook product effective with its winter 2003 edition, which will come out in November. "Due to accessibility to the FCC database via the Internet, sales have declined to levels that make it unprofitable to publish future editions," publisher Bob Hughes announced in a recent news release.

In 1997, citing "rising costs and increasing demand for electronic publishing" the company phased out its telephone-book-size paper North American and international editions in favor of its CD-ROM product. The 1997 Callbook--the 75th edition--was the last hard-copy version available. The Callbook began publishing in 1920. - via *ARRL Letter Online* 8/9/02

W1HQ assigned to HQ Operators Club

W1HQ, the call sign of the late Laird Campbell, a former ARRL staff member who died April 26, has been granted--with the blessings of Campbell's family--to the Laird Campbell Memorial HQ Operators Club at ARRL Headquarters. The trustee is ARRL Lab Supervisor Ed Hare, W1RFI. "It will be the primary call sign used by ARRL Headquarters staff members as they operate the HQ club station," Hare explained. W1HQ will supplant the W1INF call sign now in use for the ham station inside ARRL Headquarters (and separate from Maxim Memorial Station W1AW, which is in another building adjacent to the ARRL HQ parking area). Hare says to keep an ear open for W1HQ on the air during lunch hours and after normal business hours. The W1INF call sign will be used by the ARRL Laboratory staff for on-the-air operations and tests, Hare said. Campbell's ARRL career spanned 35 years. He served in a variety of roles at ARRL Headquarters including QST managing editor and ARRL advertising manager. He was an ARRL Charter Life Member. - via *ARRL Letter Online* 8/16/02



The first Greenville club meeting place was furnished by WNCT-TV. This picture was in the December 12, 1959 issue of the Daily Reflector. There are reports that a number of present BARC members took Amateur Radio classes there and got their first license. *Picture via Charlie Wells, K4SKI.*

Charlie Knowles Jr. K4NBH (SK)

(Continued from page 1)

Henry Knowles of California and Jack Knowles of Raleigh.

Memorial contributions may be made to University Health Systems Hospice Care, 504-B Dexter St., Greenville, N.C. 27834.

Charlie was born in 1918 in Duplin County North Carolina near Wallace. His father was an installer and ran the office for the telephone company (the operator lived in their house for a while) and was sheriff for a while. They moved to Wilmington around 1935. He served in the Second World War in the Navy from 1944 to 1946 as a Seaman First Class as an Armed Guard responsible for providing security for ships. He served in the South Pacific. He returned home from Manila on the USS United States to New Your City and was discharged in Norfolk, VA.

He got interested in Amateur Radio via Citizens Band. He got his CB license in the mid fifties with Warren Coleman (now WA4TRC) in Portsmouth, VA and built his first rig.

He came to Greenville for the first time in 1956 after working for Dupont for four years. He started a heating and air conditioning company as Knowles Appliance Repair. He passed his novice license in 1959 with the help of Charlie Wells, K4SKI, Bob Knapp, K4OMW, and Heber Adams, W4GDF, and received the call KN4NBH. He returned to the Portsmouth area for about a year where he got his Technician license and focused mostly on six meters.

He went to work for Pan American Airlines in 1960. At that time Pan Am was responsible for the space tracking stations. Charlie's territory was from Cape Kennedy to Trinidad. This was during the Glenn and Shepard era. His job was roving mechanic and he worked on everything from kitchen equipment to

medical equipment. At one time he was stationed in Grand Turk Island in the Bahamas with the call sign VP5CK (he actually lived in the radio room). He was one of five licensed hams on the island, but only three of them were active and he had a pile up every time he got on the air - every one wanted a "VP". He flew quite a bit and since the plane did not have a radioman, he was able to work the ham bands from the sky! He left Pan Am after four years.

In 1964 he returned to Greenville and once again got into refrigeration and air conditioning under the name JC Refrigeration Service and worked under contract with Weyerhaeuser in New Bern until his retirement in 1981 at the age of 62.

About the mid sixties he and other hams met in a construction hut at WNCT for the first meeting of BARC. (See picture on page 4) He served as secretary/treasurer for a couple of years.

His equipment consisted of: Kenwood 680 for six to 80 meters; a Kenwood 530; a Kenwood 7600 2 meter mobile; an Icom 2 meter hand held. He had a 40/75 meter inverted Vee but it created some problems since it activated his touch lamp in the living room. He also had a tower with a five element six meter beam. His activities included Carolina Emergency Net and the Virginia Phone Net. He held a General Class license.

In 1995 he had his first heart operation then bypass surgery May 2000.

Charlie was there "at the beginning" and we owe him and other hams who started BARC a lot. His life was intermingled with ham radio and it served him well. We appreciated Charlie's involvement in Amateur Radio and BARC.

Editors Note: Most of the above article was in the December 2000 issue of Ham Chatter by K4MHM. It was updated and edited by W4YDY.

Power Line interference workshop a hit

A two-day workshop at ARRL Headquarters on power-line interference turned out to be a great success on more than one level. The August 22-23 session, conducted by Mike Martin, K3RFI, of RFI Services of Maryland, not only attracted a better-than-average turnout, but participants were able to track down at least some of the sources of power line noise affecting W1AW. Most of those attending the session were involved with locating and dealing with power-line related interference issues.

"We're starting to get their attention," ARRL Lab Supervisor Ed Hare, W1RFI, said of the power companies. By hosting the workshop, the ARRL hoped to assist hams as well as the power companies to combat this longstanding problem. The course included hands-on field work and specific instruction on finding and fixing the noises that can plague Amateur Radio operators and other radio spectrum users. Participants went away with techniques on how to quickly determine which specific system hardware is the source of the noise.

The FCC recently began taking a harder line toward alleged Part 15 violations involving power line interference to Amateur Radio operators. Martin's workshops are aimed at helping anyone involved with the electric power industry to find sources of power line noise--occasionally an ongoing and vexing concern for hams--and to help them to understand their obligations under FCC rules.

Among the 20 attendees were FCC Special Counsel for Enforcement Riley Hollingsworth, two members of the US armed forces, a communications specialist, several members of the ARRL Headquarters staff and several power company employees.

"The RFI workshop was excellent and led to a much better rapport between the power companies and amateurs," Hollingsworth remarked. "Since RFI problems are often an early warning of an outage or danger to persons on the ground, it is important that the power companies respond. Power line interference can degrade the Amateur Service

(Continued on page 7)

August 16 VE Session Results

Kenneth Slough, ex WA7HVX, Morrisville, NC, passed Elements 1, 2 and 3 to qualify for the General Class license. His new call is KG4UTQ.

Assisting Tom Parsons, W4TEP, VE liaison, was assisted by Gerry Clayton, K4IDD, and Murray Merner, K4MHM. The next BARC VE session is October 18.

What Time Is It?

It's hard to find someone without a watch. Clocks are every where. We live by time - schedule things to do throughout the day: when to get up, when to eat, when to meet someone, when to go to bed. It's a way we can monitor our progress throughout the 24 hour rotation of the earth. The method of time keeping goes back a long time. The invention of reliable time pieces was a great step forward for the progress of mankind, especially for those who travel. Mostly we use time related to the position of the sun for example midday is "high noon" when the sun appears close to being over head.

International time keeping gets a little complicated with the sun's apparent movement around the earth i.e., what time is it somewhere else? To simply things the International Meridian Conference of twenty five countries took place in Washington in Oct 1884. The objective was to get all the countries consistent on how time around the world would be handled. Getting an agreement was an incredible success over political, scientific and ego interests. Among other things, they agreed to have the "**initial meridian**" (also called the "**prime meridian**") pass through the principal transit instrument at observatory in Greenwich, England (near London) putting it at zero degrees longitude. A meridian is an imaginary line going from the north pole to the south pole. From that point, all longitude would be calculated both east and west from the prime meridian around the world to up to 180 degrees exactly on the other side known as the **International Date Line (IDL)**. Nautical and astronomical days everywhere begin at mean midnight.

The time at Greenwich became known as **Greenwich Mean Time (GMT)** or **Universal Time** and would be the "time" throughout the world. Later, in 1970, GMT was renamed by the International Telecommunication Union because it was thought it need to be a more neutral term. The new term became **Coordinated Universal Time (UTC)**. No, the abbreviation is not a typo. Actually, it is explained that the French grammar would change the title to Universal Time

Coordinated hence UTC. It was the custom to have French be the "international" language so many terms ended up as French derivatives. However, it has been pointed out that based on French grammar the title would actually be Time Universal Coordinated, or TUC. Apparently what actually happened was a compromise between the English and the French since the conference could not agree on the acronym. So the term UTC is really a political convention rather than a convention of language or science. The UTC is expressed in "24 hour" time or "military time" and is the time at the Prime Meridian.

The world was divided into 24, 15 degree wide bands or **time zones**. The utilization of time zones is an attempt to keep the position of the sun relative to the time on our watches. For us in the east coast of the United States during Eastern Standard Time we are 5 hours behind UTC. Daylight saving reduces the lag to 4 hours. Each time zone was designated by a letter. The first one east of Greenwich was labeled A, the next one was B and so on. Lettering to the west of the Prime Meridian started at N and then went to Y. The letters I and O were omitted leaving only 24 letters. When it went full circle the time zone for Greenwich was at the end of the alphabet or Z, or phonetically Zulu. More precisely, the prime meridian is in the middle of the Zulu time zone; hence, the convention that UTC is also referred to as "**Zulu Time**". Eastern U.S. is in the R time

zone. The time zones are not by international agreement so can be different depending on who you're talking to. I've seen one diagram which includes the I and O, but excludes J and the IDL is the boarder between zones M and L!

What time is it? It depends on *where you are*. Local time is the time in the time zone where time is relative to the movement of the sun within the time zone as it passes from dawn to dusk, on the other hand, if we use UTC it's the time in Greenwich, England. When you're trying to schedule a meeting local time would be advisable, but if you're logging ham radio QSO or involved in international communications, UTC is the convention. I just read that MFJ has a wrist watch which will do both. If accuracy is your thing, atomic clocks now abound and with that advent came the International Atomic Time (TAI). If you have not been entirely turned off on this discourse on time go to: www.tyco.usno.navy.mil/systime to really see many other ways of expressing time.

The **International Date Line** is a whole other conundrum and is referred to as the "Circumnavigator's Paradox" since when you pass it going west you go into tomorrow and when you pass it going east you go back to yesterday (sounds like the Twilight Zone). Going east from Greenwich an hour is added to each time zone from Greenwich (i.e., getting later in the day) until you come to the IDL in the middle of time zone M (i.e., 0100 in Greenwich is 12 hours "later" local time at the IDL, in time zone M). When you approach the IDL from the east it is still 1300 but *of the next day*. So if you're talking to some one on the other side of the IDL you may be talking to someone who, in local time, is a "day" out of sequence with your day. Using UTC the day is always the day it is in Greenwich. The IDL has gotten several "wiggles" for practical and political reasons. For more see: www.phys.un.nl/~vgent/idl/idl.htm.

What time is it? And you thought all you had to do was look at your watch. Now you know there's more to it and sometimes it's a challenge just to know what day it is. - *K4MHM*

VIRGINIA BEACH HAMFEST

September 28 & 29, 2002

NEW LOCATION AND DATE CHANGE

PEMBROKE MALL

Rt 264 East - Exit 17B North
Go 4 Stop Lights

Turn right in front of Sears auto center
First large building on right after Sears

Saturday 9:00 AM TO 5:00 PM

Sunday 9:00 AM TO 3:30 PM

Meet the Member - Leland Tucker, Jr., WB4RQG

(Continued from page 1)

and Technical Education. Soon after leaving college he enlisted in the Navy in 1968 and became an electronics technician. Another specialty he picked up was cryptography. Ports of call included Alaska, Guam and San Diego. He reached the rank of E5 and passed the E6 exam but the ranks were so swelled very few positions were open. Without the prospect of advancement he left the navy after 8 years. During his stint in the Navy his interest in Amateur Radio was rekindled when in Alaska in 1970 he found out how much it cost to call home. With the help of a radioman, he got his 13 wpm and passed the General exam with the new call WB4RQG. He did phone patches with Charlie almost every night either for himself or for his buddies. Later, when getting ready to leave Guam he sold his equipment and really didn't seriously get reinvolved in Amateur Radio.

Leland assisted in a rescue mission while in Alaska. A research party became stranded on Mount Logan when they couldn't be picked up as prearranged. He heard them call on their battery radio and arranged for a rescue flight to get them. Another time he was present during long distant surgery when minor surgery had to be performed by a medic on an individual at the ice station at the North Pole. A doctor was giving surgery instructions via Amateur Radio!

After his discharge from the service he joined Hastings Ford in 1976 where he is now General Sales Manager. He works many late nights which has cause him to miss the BARC meetings. His current equipment is a Yaesu 2 meter / 440 dual bander.

He and Gail have been married for 34 years. They have two children. Michael is a paramedic for Fire/Rescue in Greenville and is married to Kristi. Daughter Kennie is married to Bryan High and is in Charlotte. She just graduated from UNC-Chapel Hill. Leland served on the Winterville Board of Alderman from 1978 to 1987. A charter of the Winterville Historical Society, he is a life member of the Pitt County Historical Society. He is also a member of the Will Pitt Masonic Lodge and a Shriner. He collects "hit and miss" engines with the oldest being from 1917. It's a curious engine which was used on the farm for such things as powering generators and grinders. Another collecting interest is tractors. He has two: an International and a Ford both of 1952 vintage and are both running.

Leland got interested in Amateur Radio because it was something to do as a kid. Later it served a real purpose in keeping in contact with his family as well as helping others to do so too. While not as active as he once was, he had kept his foot in the door by maintaining his license - there may be a lot more Amateur Radio left in him yet. *K4MHM*

Power Line interference workshop a hit

(Continued from page 5)

and must be dealt with."

The first day's class discussed the causes of power-line noise, some of the less well-known things to watch for and noise-locating techniques. On the second day, the whole group took to the field for some practical experience. Loading themselves into a fully equipped noise-locating van, the students went out to see if they could find the sources of noise that has been causing interference at W1AW for more than three years. It took the group less than an hour to find the two noise sources. Now that they have been identified, local power supplier Northeast Utilities will be notified and asked to correct the problem.

ARRL Electromagnetic Compatibility Specialist John Phillips, K2QAI, said participants' comments were uniformly positive. "It is our hope that as more people become aware of how easy it is to locate and fix most sources of power-line noise," Phillips said, "more power companies will take responsibility for solving the problems expeditiously." - *via ARRL Letter Online 8/30/02*

New Member

BARC welcomes Ray Vickers, KG4SNB, Greenville, NC to the club. Ray completed the Spring session of the BARC Technician class. Most from the class are now members of BARC and are very active in the club.

Next VE Session

The next Brightleaf Amateur Radio Club VE session will be held on October 18. 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, parsonstom@earthlink.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 \$10.00
- ◆ Proof of Tech Plus if before 3/21/87 and doing paper upgrade to General.

Email addresses

Several of the club members email addresses have changed due to Skantech.com going belly-up. Please send me your new addresses so I can update my records and update the email roster on the web site. I have already received several changes. - *WAYDY*

K4KBB

J & P Machine Works, Inc.



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Pins, Shafts, Rods and Spacers.**

BARC Monthly Minutes - August 2002

BARC Monthly Meeting Minutes
Tuesday, August 13, 2002
7:30 pm at the VFW Hall

Meeting was opened by Dave LeMoine, KV4CN. Members and visitors introduced themselves.

The previous minutes were approved. The secretary and treasurer's reports were given.

OLD BUSINESS

HEALTH AND WELFARE: A card was sent to Doug Ferris K4ROK.

PUBLICITY: Notices about future meetings have been sent to the local newspapers.

HAM CLASS: Murray Merner K4MHM reported. September 14 will be the orientation with the first class beginning September 21st. Please invite anyone in the community that you know of who may be interested.

ARES: Bernie Nobles, WA4MOK, reported. On Friday, August 16th at 9:00 am there will be an Emergency Management Eastern Branch Meeting in Kinston. All who are interested may attend.

PATCHES: Bonnie Pulver, KG4CZW, reported on that the BARC patches have arrived and are now available at all

BARC meetings. The cost of the patches will be \$ 2.00 per patch or 3 patches for \$ 5.00.

POWER POLE CONNECTORS: Bernie Nobles, WA4MOK, reported on the purchase of power pole connectors through Tom Brown, the Wake County Emergency Co-ordinator. The connectors are being packaged and will be shipped to the club next week. Members will be charged 75 cents a set.

GIFTS IN KIND: Bonnie Pulver, KG4CZW, reported that BARC Board of Directors has discussed this United Way program and feels that it will not really support our needs.

QRP KIT PROJECT: Murray Merner, K4MHM, reported that the project session has been rescheduled for September 28th. The session will be held at VOA Site C at 10:00 am. Bring your own lunch and soldering pencils if you have them. The cost will be \$ 20.00.

NEW BUSINESS

DONATIONS: The donated items by Tommy Lang, WD4PYO, were brought in to the meeting so all members could view them. It was voted that the keyer, tuner and SWR watt meter will be kept by BARC and placed in the trailer. It was

also voted that the HF station and R7 antenna will be placed at the Red Cross. The R7 antenna and 2 other antennas were donated by the family of J. P. Roy (SK). All remaining donated equipment will be offered to the membership at a silent auction to be held at the next meeting. The list of items is published elsewhere in the Ham Chatter.

FUTURE ACTIVITIES: JOTA (3rd weekend in October), Santa at the hospital for Christmas, Boy Scout Merit Badge Jamboree at the beginning of 2003 to work on the Radio Merit Badge, April 2004 Order of the Arrow Conclave with Boy Scouts of America, ARRL Sweepstakes at VOA Site C, a General License Class and a CW Class were all discussed.

NOMINATING COMMITTEE: The committee consists of Bernie Nobles, WA4MOK, John McCoy, K4KBB, Dave Langley, W4YDY, Murray Merner, K4MHM, and Bonnie Pulver, KG4CZW. Anyone who is interested in being on the board of directors for BARC may contact one of the nominating committee.

40th ANNIVERSARY OF VOA SITE C: Gary Wise, W8EEY, announced that in February 2003, the VOA will have been operating at Site C for 40 years.

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BARC Board Minutes - August 2002

BARC Board Minutes - August 2002

Brightleaf Amateur Radio Club Board Meeting

Tuesday, August 27 at 7:30 pm
Mark's Marine in Grimesland

Those in attendance: Dave LeMoine, KV4CN, Dave Pulver, KG4CZV, Bonnie Pulver, KG4CZW, Dave Langley, W4YDY, Pat Williams, KG4NSC, John McCoy, K4KBB, Mike Langley, KD4MTT.

The secretary and treasurer's reports were given.

Committee Reports:

HEALTH AND WELFARE: Cards were sent to Charlie Knowles K4NBH and Bernie Nobles WA4MOK.

EQUIPMENT: Final plans for the silent auction of donated items at the next BARC general meeting were made.

PUBLICITY: Notices were sent to the county schools about the Tech class.

HAM RADIO CLASS: The class starts September 14th as planned.

POWER POLE CONNECTORS: The connector's have been received and will be divided into orders placed before the next meeting. Connectors will be sold to

members for 75 cents a set. Two sets are needed to hook up a radio.

PATCHES: New BARC patches have arrived. They are for sale at meetings for \$ 2.00 each or 3 for \$ 5.00. It is suggested that they be placed on clothing that are the colors in the patches. Shamrock green shirts (the color of our club shirts) have been spotted at Sam's Club for \$ 10.00.

PROGRAMS: Future possibilities were discussed. We have committed to offering the Boy Scout Radio Merit Badge in 3 2 hour sessions in January and February of 2003. The sessions will be offered as part of a merit badge jamboree and will be offered to scouts 13 years old or older.

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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:

Joe Aleksa, KQ4BN, SK, Estate.

1. Ten Tec Omni VI Plus Transceiver, \$1500, Power Supply PS 960, \$150, Ten Tec desk mike, \$40, all for \$1650.

2. Icom 820H, all mode 2M-440 transceiver, \$700, Icom SM6 mike, \$60 820H service manual, \$20 and SP-20 speaker with audio filters, \$150 or all for \$850.

3. Cushcraft R7 Vertical Antenna, \$200

4. Heathkit test equipment, IG-62 Color bar generator, IM-11 VTVM, IO-12 Oscilloscope.

Contact Dave Langley, W4YDY, 321-2525 or email w4ydy@arrl.net

BARC Board Minutes - 8/02

(Continued from page 8)

The jamboree will be held at Pitt Community College. A committee will be formed within the next few months.

NOMINATING COMMITTEE: The nominating committee is meeting and will present the new slate of officers at the next general meeting.

NEXT BOARD MEETING: Any interested BARC members are invited to attend the September board meeting. It will be held on Tuesday, September 24th at 7:30 pm at Mark's Marine.

Respectfully submitted by
Bonnie Pulver,
KG4CZW

For Sale:

Radio Shack **Digital Signal Processor** - Advanced digital audio signal processor using microprocessor-controlled dynamic notch filtering reducing noise and removing whistles, tones and whines. Has communications-type speaker, 5 watt audio amplifier and phone jack. Filter selection for: noise reduction, SSB and CW. Bandwidth selection: narrow, medium and wide. Separate volume control and power switch. Plugs into earphone or speaker jack. Original box with instructions and mounting brackets. Requires 12 VDC. Price: \$25.00 Murray, K4MHM, 757-3429.

For Sale:

Mosley Classic 33 \$100. The center part of the reflector was bent in hurricane Floyd. I worked on it and got it as straight as I could.

Bill Dawson, WA4SLC, 946-4760 or dawsonw@mail.ecu.edu.

For Sale:

Mosley TA-33 HF Beam. 10, 15, 20 and 40 meters. 3 elements with 40 meter extension. \$200.

Wayne, WD4JPQ, 756-7719

Wanted:

Icom EX-243 keyer
Icom EX-242 xtal calibrator
Icom MB12 mobile bracket
Icom HP-1 headphones
Icom SM-10 eq desk mic
Icom IC-FL44a SSB filter or Inrad equivalent

These accessories are for the Icom IC-745 HF rig

Neal Sumrell, nc4rr@arrl.net

BARC Meeting Minutes - 8/02

(Continued from page 8)

Gary invited BARC to consider a special events station marking the 40th anniversary.

UPCOMING HAMFESTS: Murray Merner, K4MHM, announced that the Virginia Beach Hamfest will be on September 28 and 29 and the Shelby Hamfest will be August 31st.

The program was presented by Wayne Ross, WD4JPQ, on repeater linking.

Meeting was closed.

Respectfully submitted,

Bonnie Pulver, KG4CZW

Commercial Ad Rates

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\$10 per Month - \$100 per Year

Send ads to: **Ham Chatter, PO Box 8387, Greenville, NC 27835**

ATTN: Dave Langley or email w4ydy@arrl.net

Help support *Ham Chatter*. **Donations accepted!**

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.
- ◆ New Bern Amateur Radio Club/ Eastern NC 220 Association for the WD4JMS & WA4DAN Net, Monday, 2000 on 146.61 and 224.84 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

BARC

CALENDAR OF EVENTS

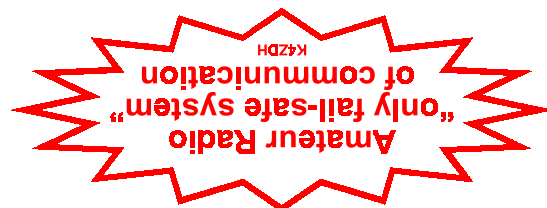
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|---------------------|--|---------------------|-----------------------------|
| Sep 10 | Regular Meeting | Oct 29 | Board Meeting |
| Sep 14-15 | ARRL VHF QSO Party | Nov 2 | <i>Ham Chatter</i> Deadline |
| Sep 24 | Board Meeting | Nov 12 | Regular Meeting |
| Sep 28 | <i>Ham Chatter</i> Deadline | Nov 16-17 | ARRL SSB Sweepstakes |
| Sep 28-29 | VA Beach HF www.vahamfest.com | Nov 17 | Benson Hamfest |
| Sep 28-29 | CQ WW RTTY Contest | Nov 23-24 | CQ WW CW DX Contest |
| Oct 8 | Regular Meeting | Nov 26 | Board Meeting |
| Oct 13 | Maysville Hamfest | Nov 30 | <i>Ham Chatter</i> Deadline |
| Oct 18 | BARC VE Session | Dec 7 | ARRL 160 Meter Contest |
| Oct 26-27 | CQ WW SSB DX Contest | Dec 10 | BARC Christmas Party |

Regular Meeting - 2nd Tuesday @ 7:30 PM
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

Printing courtesy of Xerox



St. Peter's School

September 2002
Next Meeting
September 10

To:



PO Box 8387
 Greenville, NC 27835

Ham Chatter