

# Ham Chatter

The official publication of the Brightleaf Amateur Radio Club

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August, 1982

Greenville, North Carolina

Our 16th Year

## Field Day Results

Results from field day activities were reported by Joe Garzik:

Total CW, 378; total phone, including three Oscar contacts was 442, with a total OSQ points of 820. With the emergency power factor of two, brings the total points for QSO's to a total of 1640.

The following added 100 to the point total:

ARRL Message copy bonus, message origination bonus, satellite QSO, public relations, 100% emergency power, and WIAW QSO bonus. The grand total for the day's activities was 2240.

Joe reports also that the only 100 bonus we did not receive was for making five QSO's using only natural power. Joe said he has obtained an HW-8 to remedy this situation. Now, does anyone know where solar cells can be obtained cheaply? We will need enough to deliver 18 VDC at one-half amp.

Maybe next year this will be in operation. Nice job on field day chairman Joe!

## Novice Class

Club members have a good track record helping newcomers get their Novice license. This is usually done on a one-to-one basis and for many of us it was how we got our first ticket. Periodically, however, BARC makes a special effort and conducts an organized class of instruction. That's what we'll be doing this fall — the details are provided here for your information.

The course will be 20 hours long, meeting two hours each Wednesday evening, 7-9 p.m., for 10 weeks, starting September 8th. It will meet at our clubhouse in one of the empty classrooms on the ground floor. We will use the ARRL Novice training package Tune in the

World with Ham Radio (3rd edition) and the Codemaster CM-1 morse training program (not ARRL tapes). Costs to enroll will be minimal; each novice candidate will purchase the manual (\$6.50) and a blank cassette on which we will copy the code lessons. Members of the class will be invited to join BARC — we certainly hope they will.

Please note that this course is designed on an entry-level program — it will not be very useful to help you upgrade if you already have a novice ticket. If you know someone who would like to get started in amateur radio, let him in on the above information and invite him to attend! — Gary Ambert/A14J

## MEETING DATE

The Next meeting will be Tuesday August 10, 7:45 p.m. at the Planters National Bank Building at the corner of Third and Washington Streets, in Greenville.

## Up and Running

By Murray Adams/WA4DAN

As mentioned in last month's edition, Greenville has another fine two meter repeater. The frequency is 145.35 Mhz minus 600 Mhz. Basically the repeater has the same characteristics of the old 147.09 machine. The repeater is utilizing the old "09" Superstationmaster antenna at 766 feet for receive, but a new Hustler G-7 has replaced the old G-6 at 600 feet for transmit. The old G-6 was beginning to deteriorate and show its age so it was replaced.

In addition to the Hustler G-7 antenna, several other new pieces of equipment were recently added to the machine. They include: a Piezo Technology Crystal filter; a 45 watt solid state power amplifier; Astron RS-20M power supply; and a 20 db pre-amp built by Macon Dail/WB4PMQ.

The long-awaited crystal filter has allowed us to run the pre-amp on the stationmaster antenna with no de-cense and no downtown greenville intermodulation. The squelch is set very loose and the receive sensitivity is excellent.

•already backup equipment is in hand including a solid state power amplifier and a power supply. In the near future we hope to buy a duplexer to use in case something happens to one of our antennas.

The overall range is much like the old "09" machine. As with the old "09", the repeater is receiving much better than it is transmitting. So if you can hear it, you can work into it with a good signal. In the near future we hope to improve the transmit range. There is a good chance we can connect into the existing spare 3 1/8 inch coppe

feedline. If that happens we will be getting much more power to the antenna than we are now.

The line of sight and radio horizon are 36 and 48 miles respectively from our transmit site at 660 feet. Our tests indicate that we are reliably getting between 45 and 50 mile mobile coverage except in the shadow of the tower to the northeast.

As with any repeater, a lot of hard work and money has gone into making this repeater possible. The people who have worked on the machine are, Macon Dail/WB4PMQ; Heber/W4GDF and Murray/WA4DAN Adams; Roy Becker; Tommy Forrest/N4GVK; and Bernie Nobles/WA4MOK.

## FACTS ABOUT THE N4GVK REPEATER

•Repeater: Hamtronics Rcvr, and VHF Engineering Transm.

•Antenna: Receive: Superstationmaster at 766 feet, transmit: Hustler G-7 at 660 Feet

•Feedline: Receiver: 500 feet 3/8 copper and 266 feet 7/8 hardline; transmit feedline 660 feet with 7/8 hardline

•Power: 45 watts into 750 feet 7/8 hardline to the G-7

•ERP: 50 watts

•HAAT: Rcvr. Superstationmaster 836 feet, transmit, Hustler G-7, 766 feet. 660 feet

•AMSL: Rcvr. Superstationmaster 836 feet; transmit, Hustler G-7, 730 feet

## WANTED

•CRYSTALS — Crystals wanted on the following frequencies: 32.0 Mhz; 33 Mhz; and 33.5 Mhz. These are crystals for a Hallicrafters HT32B transmitter, please call Ed Griffith/KA4PBX, 756-7635 or 757-6030.

## NEWS/IEWS OF ON-THE-AIR COMPETITION

Aug. 14-15 SEANET Phone Contest  
Aug. 14-16 New Jersey QSO Party  
Aug. 21-22 Alaska QSO Party  
Aug. 21-22 SARTG RTTY Contest  
Aug. 21-22 A5 UHF FSTV Contest  
Aug. 28-29 All Asian C.W. Contest  
Aug. 28-29 Occupation QSO Party  
Sep. 5 Bulgarian C.W. Contest  
Sep. 11-12 European Phone Contest  
Sep. 11-12 Cray Valley SWL Contest  
Sep. 11-12 G-QRP Activity  
Sep. 19 North America Sprint  
Sep. 18-20 Wash. State QSO Party  
Sep. 18-19 Scandinavian C.W. Contest  
Sep. 25-26 Scandinavian Phone Contest  
Sep. 25-26 Delta QSO Party  
Oct. 2-3 California QSO Party  
Oct. 2-3 VK/ZL/Oceania Phone Contest  
Oct. 9-10 VK/ZL/Oceania C.W. Contest  
Oct. 9-10 California QSO Party  
Oct. 16-17 Pennsylvania QSO Party  
Oct. 16-17 ARCI QRP C.W. Contest  
Oct. 30-31 CQ WW DX Phone Contest  
Nov. 13-14 European RTTY Contest  
Nov. 27-28 CQ WW DX C.W. Contest

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## County Hunters

Bob Knapp/W4OMW, recently participated in the CW County Hunters Contest, July 24th and 25th. Bob scored about 60 contacts on the road (mobile) and about 105 at in the shack. Good going Bob!

### FOR SALE

•COMPUTER — TRS80  
computer Model 1, Level 2,  
16K memory, call Richard  
Kelly/N4BKX, 756-7281.

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### Four-Land QSO Party

Four-Land QSO party in-  
formation provided by Bob  
Knapp/W4OMW is listed  
below.



**DATE and TIMES:** - Begins 1800 GMT Saturday, September 4th until 0600 GMT, Sunday September 5th. 1300 GMT Sunday, September 5th until 0100 GMT, Monday September 6th.

**TWELFTH ANNUAL QSO PARTY:** - Sponsored by the Brightleaf Amateur Radio Club of Greenville, N.C. to make the many counties in the eight fourth district states available to the county hunters.

The same station may be worked on each band and mode, fixed, and again if operated portable or mobile. Fourth district stations may work other in district stations. The mobiles may be worked again when changing counties.

**EXCHANGE:** - RS(T) and QTH. County and state for fourth district stations; State, Province or country for others.

**SCORING:** - For fourth district, one point per QSO multiplied by number of states and provinces and countries worked. Contacts with BARC club station W4AMC counts for five (5) points.

**ALL OTHERS:** - Count two (2) points per QSO and multiply by number of fourth district states plus fourth district counties. COUNT states and counties ONCE ONLY. QSOs with BARC club station W4AMC counts for five (5) points.

**FREQUENCIES:** - CW, 3575, 7055, 14070, 21070 and 28090. PHONE - 3940, 7260, 14340, 21360 and 28600 - all frequencies plus or minus 10 KHz. NOVICES - 3710, 7110, 21110 and 28110 KHz. --

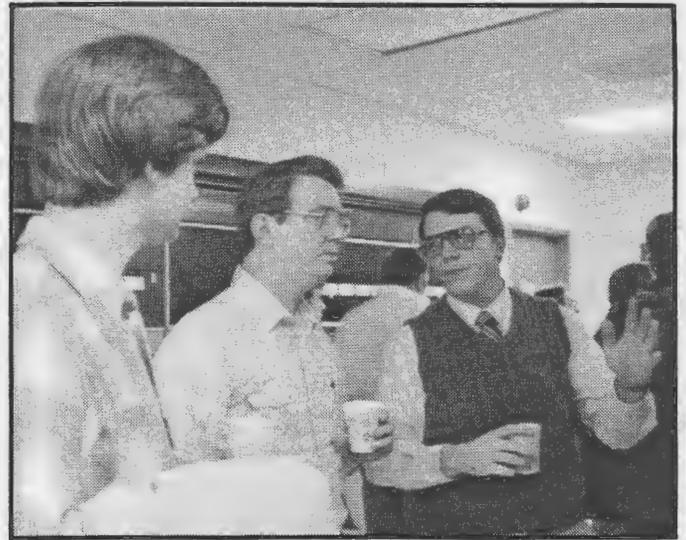
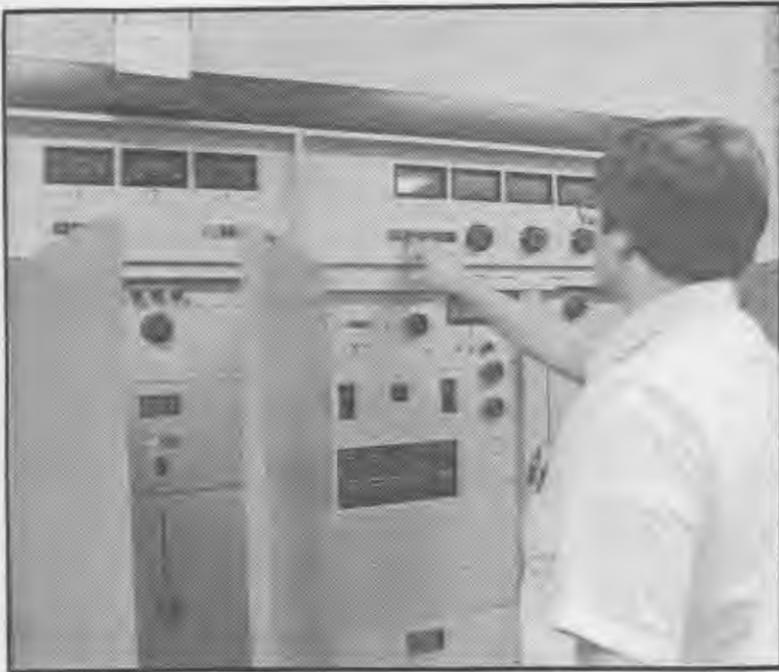
**AWARDS:** - Certificates to top scorers in each State, Province, Country with second and third place awards when warranted. Also county awards to fourth district states and special awards to novices.

**MAILING DEADLINE:** - Thirty days after end of the contest and send to Contest Chairman, Bob Knapp, W4OMW, 105 Dupont Circle, Greenville, N.C. 27834. S.s.s.e. for results.

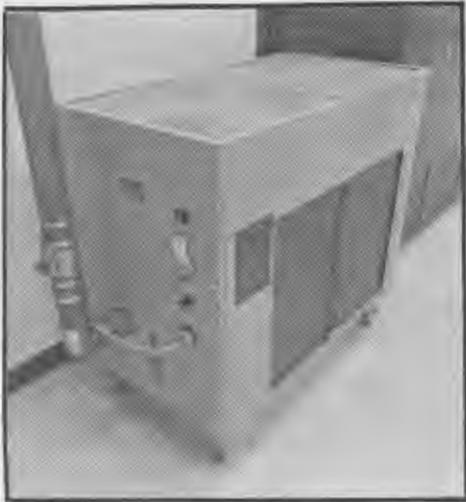
**9**  
**ALIVE**  
**WNCT-TV**  
**GREENVILLE**



Let's eat



This would be great in my shack.



How's this for a dummy load?

