



# G.A.R.S. Monthly Newsletter

Web Page: [www.w4gwd.org](http://www.w4gwd.org)

Volume 4 Issue 2 February, 2008

## 2008

Greenwood Amateur Radio Society, Inc.  
P.O. Box 2404  
Greenwood, SC 29646

President  
Earl Powell, KC4AXY

Vice President  
Joe Mimms, K4GBH

Secretary  
Tedd Davison, AI4WN

Treasurer  
Harvey Hill, WB4KXE

Activities Manager  
Bobby Gosnell, KF4ZY0

## UPCOMING EVENTS AND HAMFESTS

### VE Testing 7PM

American Red Cross Service Center  
(520 Epting Ave)  
Apr 1, 2008  
Jun 3, 2008  
Aug 5, 2008  
Oct 7, 2008  
Dec 2, 2008

### 23 Feb 2008

DALTON HAMFEST #26  
Dalton Amateur Radio Club (W4DRC)  
<http://W4DRC.com>  
Dalton, GA  
North Georgia Fairgrounds  
501 Legion Drive  
Div: Southeastern  
Sect: Georgia  
Talk-In: 145.230 (-) (No Tone)  
Contact:  
Harold Jones, N4BD  
PO BOX 211  
Rocky Face, GA 30740  
Phone: 706-673-2291  
Email: n4bd@dalton.net

## February Meeting

G.A.R.S. will meet Monday, February 18, 2008, at the Turner House on Bailey Circle in Greenwood at 7pm for light refreshments and 7:30pm for the meeting.

The club meetings are now listed in the Index Journal on page 2A each month under "Community Calendar"

## Condolences

Betty Ann Cannon's aunt "Nanny" Virginia Holloway Wilburn passed away January 19, 2008. Nanny was 92 years old.

Silent Key...Tillaman Ayers, K4CBG, passed away January 24, 2008. Tillaman was a good friend of GARS.

## Home Needed

The GARS Emergency Van needs a shelter. Since Alice Taylor, KC4JWM, moved to Lexington our van has been "under the weather". We need a club member to keep the van at his/her home under a shed or in a building. The location should be in or near Greenwood so it can be readily accessible for use by Abbeville, Greenwood, McCormick, Saluda or any other county. If you can help please contact our Property Office, Harvey Hill, WB4KXE.

## VE Testing

**At the February 05, 2008 Greenwood VE test session there where six tested for new licenses or up grade.  
Next test session will be April 01, 2008 April fools day.**

## New GARS Members

Three new applications for GARS membership were presented and successfully voted to full membership:

Michael Kinard (Ken) Maffet, Jr. KJ4BAK, Tech class	
Stephan Lydia KI4ZSY, Tech class	
Franklin Mitchell WB4BWK, Extra class	

8-9 Mar 2008

North Carolina Section  
Convention (Charlotte  
Hamfest)  
Mecklenburg Amateur Radio  
Society  
Charlotte, NC  
Charlotte Merchandise Mart  
2500 East Independence Blvd.  
Div: Roanoke  
Sect: North Carolina  
<http://www.w4bfb.org/hamfest>  
Talk-In: 146.940 (-600kHz)  
and 145.290 (-600kHz)  
Contact:  
Jeff Blythe, KA4WYC  
1122 Pine Knot Court  
Clover, SC 29710  
Phone: 704-948-7373  
Email: hamfest@w4bfb.org

15 Mar 2008

55th Annual Kennehochee  
Hamfest  
Kennehochee Amateur Radio  
Club  
Marietta, GA  
Jim R. Miller Park  
2245 Callaway Road  
Div: Southeastern  
Sect: Georgia  
<http://www.w4bti.org>  
Talk-In: 146.88 (PL 100)  
Contact:  
Bobby O'Donald, KD4ISM  
Box 1245  
Marietta, GA 30060  
Phone: 770-439-9300  
Fax: 770-974-1249  
Email: kd4ism@arrl.net

15 Mar 2008

Middle Tennessee ARS  
<http://www.gsl.net/mtars>  
Talk-In: 146.700 -600 offset  
(PL 114.8)  
Tullahoma, TN  
First Methodist Church  
208 West Lauderdale Street  
Div: Delta  
Sect: Tennessee  
Contact:  
Bill Holt, N0EUU  
420 Joe Hickerson Road  
Manchester, TN 37355  
Phone: 931-728-9015 (after  
5pm CST)  
Email: N0EUU@hotmail.com

12 Apr 2008

North Carolina State  
Convention  
Raleigh Amateur Radio  
Society  
Raleigh, NC  
North Carolina State  
Fairgrounds Exposition  
Center  
1025 Blue Ridge Blvd.  
Div: Roanoke  
Sect: North Caroli

<http://www.rars.org/hamfest>  
Talk-In: 146.04 - 146.64 (no

## Club Dues

### CLUB DUES FOR 2008 ARE DUE NOW!

Mail to GARS, PO Box 2404, Greenwood,  
SC 29646 or give to Harvey at next meeting.  
These must be paid by March 31, 2008.

## Chat N' Chew

Every Friday at 11:30am to 1pm at George's Family Steak House, 713 Bypass 25NE, Greenwood, 223-2707. Everyone is welcome to have lunch or sip your favorite beverage and chat for a while.  
**(Dutch treat).**

## Weekly Net

Every Thursday night at 9pm on 147.165+, The Greenwood Amateur Radio Society holds the weekly 2 meter net. Help spread the word to check into the Net.  
If you would like to fill in or be a backup net control please let Buddy Willis, W4DEW know.

## Weekly Ladies Net

The GARS Weekly 2 Meter Female Amateur Radio Net began on Tuesday, January 8, 2008 at 8 PM on the GARS 2 Meter Repeater. This net will be held every Tuesday night at the same time. All interested female amateurs are invited and encouraged to check in. Subjects of discussion will be anything of interest to women. If you have any questions, please contact Jean (W4KKA) at 864-953-0004 or Jo (KC4UU) at 864-446-7187.

## Happy Birthday February

Dan Farmer, KK6AA, Feb 16<sup>th</sup>  
David McCall, W4MCC, Feb 15<sup>th</sup>

## Happy Anniversary February

Elizabeth Nason, Feb 14<sup>th</sup>  
Kevan Nason, N4XL, Feb 14<sup>th</sup>

**\*\* Please let us know if we've missed anyone...**

## Classified

Hygain 203, 3 element 20 meter monoband antenna. On tower for 1 year. \$175. Call Kevan Nason, N4XL, 864-943-1740, [knason@emeraldis.com](mailto:knason@emeraldis.com)

Shorty Forty – Force 12 EF-240S \$350.. Never fully assembled.  
Call Kevan Nason, N4XL, 864-943-1740, [knason@emeraldis.com](mailto:knason@emeraldis.com)

Short Wave Receiver... Sony IC SW55.... Good condition... make offer.  
864-980-7177, email: [dieterzimmerer@hotmail.com](mailto:dieterzimmerer@hotmail.com)

**If anyone has any Ham radio stuff to sell or trade... list it in this column by calling Buddy, W4DEW, 864-445-7574, [w4dew@arrl.net](mailto:w4dew@arrl.net) or David, W4MCC, 864-943-4311, [davidm@nctv.com](mailto:davidm@nctv.com)**

## GARS Website

Jeremy, KI4CCZ, will be updating our website with photos from the 2008 Hamfest.

CTCSS tone)

Contact:

Chuck Littlewood, K4HF  
2005 Quail Ridge Road  
Raleigh, NC 27609  
Phone: 919-872-6555  
Fax: 919-872-6555  
Email: k4hf@arrl.net

19 Apr 2008

Catawba Valley Hamfest  
McDowell Amateur Radio  
Association  
Morganton, NC  
Burke County Fairgrounds  
145 Bost Road  
Div: Roanoke  
Sect: North Carolina  
<http://cvhamfest.com>  
Talk-In: 147.150  
Contact:  
Don Beam, KK4NI  
172 Crescent Drive  
Marion, NC 28752  
Phone: 828-652-3102  
Fax: 828-652-3102  
Email: kk4ni@arrl.net

26 Apr 2008

Calhoun Hamfest  
Cherokee Capital Amateur  
Radio Society  
Sugar Valley, GA  
Sugar Valley Community  
Center  
3295 Sugar Valley Road NW  
Div: Southeastern  
Sect: Georgia  
<http://www.k4woc.com>  
Talk-In: 443.675+; 146.745-;  
146.805+  
Contact:  
Fulton Floyd, AF4DN  
1054 Mountain Loop Road  
NW  
Sugar Valley, GA 30746  
Phone: 706-629-0369  
Email: af4dn@iwispr.net

3 May 2008

South Carolina Section  
Convention (Upstate Hamfest)  
Blue Ridge Amateur Radio  
Society  
Spartanburg, SC  
Piedmont Interstate  
Fairgrounds  
575 Fairgrounds Road  
Div: Roanoke  
Sect: South Carolina  
<http://www.upstatehamfest.org>  
Talk-In: 146.610  
Contact:  
Rusty Kirkpatrick, AJ4RK  
351 Old Georgia Road  
Moore, SC 29369  
Phone: 864-576-9643  
Email: aj4rk@bellsouth.net

10 May 2008

Hamfest & Computer Show  
Rockingham County Amateur

Go to [www.w4gwd.org](http://www.w4gwd.org) and take a look. Jeremy adds the newsletter to the website each month.

## ARES/RACES

ARES®/RACES is actually two organizations operating transparently as one with ham radio operators who volunteer their expertise, time and resources to provide primary and supplemental communications to government agencies, private disaster response organizations and other nonprofit organizations. ARES®/RACES organizations are present throughout the United States. Most counties have a ARES®/RACES group, which regularly trains on the air and in formal training sessions or local nets.

Some examples of the services provided by ARES®/RACES include:

- Severe weather spotting assistance for the National Weather Service.
- Supplemental communications support to Emergency Management, law enforcement, fire and emergency medical services during all types of emergencies and disasters.
- Primary and supplemental communications support during disasters and communications emergencies for private disaster response organizations.
- Primary communications for nonprofit organizations during events and activities such as marathons, parades and large outdoor events.

If you are a ham radio operator interested in public service, contact one of these county ARES/RACES® Emergency Coordinators, Abbeville EC Dave Zugsberger KL7FO, Laurens EC Tom Fry KI4ONJ, McCormick EC Joe Mimms K4GBH, and Saluda EC Dewey (Buddy) Willis W4DEW

If you are not involved in ham radio and are interested in communications and public service, we want to talk with you! We are always looking for interested individuals who want to uniquely serve their communities. All it takes to get an FCC issued ham radio license is the desire to learn.

If you are in emergency management, state or federal government, law enforcement, fire service, emergency medical service, health service, or a private disaster support agency and are not engaged with your local ARES®/RACES group, please contact a county or district emergency coordinator.

Enjoy Amateur radio and ARES/RACES! Learn from it, generate ideas to take back to your organizations and then share those ideas with all so we can share them with others.

**Remember, we provide communications when no one else can!**

## Tech Q&A

1. What device is used to convert the alternating current from a wall outlet into low voltage direct current?

- A. Inverter
- B. Compressor
- C. Power Supply

Radio Club  
Reidsville, NC  
Community Baptist Church  
509 Triangle Road  
Div: Roanoke  
Sect: North Carolina  
<http://www.rcarc.com>  
Talk-In: 146.85 (PL 103.5)  
Contact:  
Dal Williams, W4YQY  
307 Oleander Drive, Suite D  
Eden, NC 27288  
Phone: 336-627-7076  
Email: w4yqy@rcarc.com

24 May 2008  
DurHAMfest  
Durham FM Association  
Durham, NC  
Little River Community  
Complex  
8305 North Roxboro Road  
Div: Roanoke  
Sect: North Carolina  
<http://www.dfma.org>  
Talk-In: 147.225 (no tone)  
Contact:  
Linda Jackson, KF4LJZ  
122 Infinity Road  
Durham, NC 27712  
Phone: 919-477-8368  
Email: kf4ljz@aol.com

D. Demodulator  
(Answer at bottom)

2. What device is used to increase the output of a 10 watt radio to 100 watts?
- A. Amplifier
  - B. Power supply
  - C. Antenna
  - D. Attenuator
- (Answer at bottom)

## Tech Q&A Answers

1. C.  
Most electronic equipment, including radios, consumes power as dc current supplied at a voltage of 30V or less. Household electricity is supplied by the electric utility as ac at a voltage of 120V. The power supply converts the ac input power to dc power suitable for the equipment.
2. A.  
Amplifiers are used to increase the strength of audio or radio signals. Amplifiers used to increase the power of transmitted signals are called power amplifiers or linier amplifiers. Amplifiers used to increase the strength of a received signal are called pre-amplifiers or just pre-amps.

**Note: A special thanks to everyone who contributed articles and info for this newsletter.**