



*The Official Publication of*  
**The Western Carolina Amateur Radio Society, Inc**

**Issue: July 2013**

**Since 1977**

**Upcoming Events:**

- **Friday Morning Meet up 10 AM @ Biltmore Square Mall**
- **BCARES Meeting - EOC July 18 - 7 PM**
- **Hamfest July 26 (setup) -27**
- **French Broad Cycling Classic July 20**
- **Meeting @ AB Tech August 1**
- **Blue Ridge Breakaway August 17**
- **Soccer Tournament August 31**

**Meeting Information:**

**Next Meeting: Aug 1**

Meetings are at AB-Tech in the Sycamore Building Room 201 at 7:30 PM

**Should Buncombe County schools close due to inclement weather our meeting will be canceled.**

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**President's Message  
by Scott - W4IYS**

We are about half way through the summer so please don't break down yet.

Hamfest is here and any and all help is needed setup event, supper event, the event and clean up.

The supper get together and the concession stand are the events that need the most help at this point as I see it.

Jeff will have more to say I am sure; see you all there!

Scott - W4IYS

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## WCARS Officers

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**Buncombe  
County ARES  
Report**

by Carl - N4AA

## BCARES ACTIVITY

It really started a few months ago. More requests for assistance in providing communications for various events began arriving faster than we could react to them. Some we were able to help, but a few we had to refer to others, simply because the lead time was too short, or we weren't able to come up with enough people for the task.

I wish we could just say the word and have all the personnel needed volunteer. However, I realize that most of have our own obligations and most of those involve family. Those obligations must come first.

Our group (BC-ARES) is not huge by any standard, but we do have a dedicated core group that can handle almost anything. Sometimes we have to come to a larger audience and ask for help, and we will when necessary.

Our most recent project is a WNC Weather Net, being put together by Dwight Danner, W4DCD and Paul Tilley, KK4BRD. Eventually, they hope to have people all over western North Carolina involved in the "net" with the express purpose of providing real-time weather related information to the National Weather Service (NWS) at the Greenville Spartanburg office.

A meeting on July 18<sup>th</sup> will include the beginning of a training process to familiarize volunteers with the necessary information the NWS needs from this area, and we propose to get that information to them. At the Hamfest on July 27<sup>th</sup> we will have an ARRL/ARES meeting. At this meeting we expect to have folks from all over WNC and we will solicit help from those particularly from the western counties of the state to help with this project.

Dwight has asked for volunteers to act as "observers" as well as potential Net Control stations for this project. We will follow-up on that in the coming weeks.

A previous project is about to become a reality, the Mission Hospital Winlink project. We will be getting an update on this at our July 18<sup>th</sup> meeting from personnel from the Hospital.

I want to thank all those who have come forward to help if/when asked. Our ability to respond to these requests for communications assistance can only add to the reputation amateur radio has achieved – that of being able to DO IT when needed.

Thanks and 73,  
Carl, N4AA  
ARES-EC, Buncombe County

## **BCARES Skywarn**

There has been a good amount of interest in the new BCARES - Skywarn program. With all the recent flash flooding, flooding, landslides and heavy rain since the beginning of June a lot of interest has been stirred in weather watching.

Several members of WCARS / BCARES have experienced flooding from the recent rains, while the damage does not appear to be extensive it has brought to the forefront of everyone's attention that being in WNC does not make us immune to weather related disasters or emergencies.

Due to the recent severe weather in our area and now being Hurricane Season the meeting at the Buncombe County Emergency Operations Center (EOC) on Thursday July 18<sup>th</sup> will provide training on calling in reports via radio to a net control station. As well as various aspects of safety and working with emergency services.

The meeting is open to all people who are interested in being a part of Skywarn, you don't need to be a member of BCARES to attend.

Buncombe EOC is located at:

164 Erwin Hills Rd, Asheville, NC

If the gate is closed press the button and tell who ever responds that you are there to attend the radio meeting. (Gate is almost always open during the meeting.)

If you are able to help out please contact:

Dwight - W4DCD [dwight.danner@ersnc.org](mailto:dwight.danner@ersnc.org)

Paul - KK4BRD [kk4brd@gmail.com](mailto:kk4brd@gmail.com)

## What you missed ... Meeting Minutes

July 11, 2013

Prepared by Bob - WD4CNZ

The July 11, 2013, general/monthly meeting of the Western Carolina Amateur Radio Society was called to order at 1935 hrs by Scott McCabe, W4IYS, President presiding.

He invited everyone to join in the Pledge of Allegiance to the Flag.

He then asked everyone attending to introduce themselves with name, call (if any), and QTH.

(Tickets were sold prior to the meeting for the 50-50 drawing with half of the proceeds serving as a prize and half going into the club treasury)

Two new hams / new members from Oklahoma and Pennsylvania were introduced and welcomed with applause.

The Treasurer' Report was given by Steve Emory N4SET, WCARS Treasurer, a donation to WCARS of \$100 was received from a bicycling organization.

Randy KI4VLW announced that a soccer association has asked WCARS for help with communications for the event set for August 31, 0900-2100 hrs. This event is a large one serving many teams from many states and will be played on the soccer fields located on Azalea Road near the Recreation Park. Please contact Randy if you can help with communications for this

**WCARS Hamfest  
July 27th**

**Advance Tickets:  
\$5.00**

**Gate Tickets:  
\$7.00**

**Haywood County  
Fairgrounds**

**758 Crabtree Road,  
Waynesville**



This is the big fundraising event of the year for WCARS and all members who can help are requested to volunteer. There are a lot of setup to do on Friday and a lot of jobs to be filled on Saturday.

Please contact Jeff - KJ4TEI if you are able to help out and have not already contacted him.

If you help setup on Friday please bring at least two dishes with food in it. Meat will be provided by the club. This meal has long been a tradition with WCARS and the vendors appreciate it and it is why some keep coming back.

Remember the funds from the Hamfest help keep the repeater in operation.

**The "official" WCARS Hamfest  
Simplex frequency is 147.525 for  
use during the Hamfest for WCARS  
members.**

## What you missed ... Meeting Minutes

July 11, 2013

Prepared by Bob - WD4CNZ

event. Everyone welcome--new ops are encouraged to help for experience and fun.

Scott announced that other agencies are planning events and WCARS will be asked to help with communications for those events. Check the Club webpage for announcements/dates/times of several upcoming events. All are encouraged to check into the nets for announcements.

The Shelby Hamfest is set for August 31, 2013.

HAMFEST: KI4TEI, Jeff, announced that VOLUNTEERS ARE NEEDED to help WCARS with the event at the Haywood County Fairgrounds. Watch the webpage for further information. The gate will open for the Hamfest at 0600. Please plan to help! Scott W4IYS is planning to provide lunch. Mark your calendar for July 27 to help the Club.

On Hamfest day: VE testing will be held at the Lake Junaluska Fire Department at 1400 hrs. New hams and upgrades are welcome.

Norman N4NH reported that he is taking radiation treatments and asked everyone for their prayers to help in his situation.

## WCARS / VEC Exam Schedule

**Asheville** - AB-TECH, Rm 134, Elm Bldg

**9:00 AM on the THIRD SATURDAY of:  
January, April, July and October**

VE Team Leader: Bob Helton - KS4FX  
Phone: 828-684-0249

**2:00 PM on the THIRD SUNDAY of:  
February, May, August and November**

VE Team Leader: Steve Lankford - AG4BY  
Phone: 828-768-2141

**Burnsville** - Yancey County Library

Contact:

VE Team Leader: David McCarty - W4TDM  
Phone: 828-657-1044

**Marion**

Contact:

VE Team Leader: Harriet Fullbright - K4ICU  
Phone: 828-291-7521

**Rutherfordton** - Isothermal College

Contact:

VE Team Leader: Bruce Tessineer - AD4OJ  
Phone: 828-657-5464

**Waynesville**

Contact:

VE Team Leader: Al Sanders - WD4A  
Phone: 828-926-8244

**Weaverville** - Reems Creek FD

**9:00 AM on the First Saturday of:  
April, July, October and December**

VE Team Leader: Harley Bullman - AJ4PI  
Phone: 828-645-0889

**For other locations contact:  
Norman Harrill  
N4NH@arrl.net / 828-253-1192**

## What you missed ... Meeting Minutes

July 11, 2013

Prepared by Bob - WD4CNZ

The drawing for the 50-50 prize was made and awarded.

The drawing for the door prize was made and the winner chose a Club coffee cup.

There being no further business, the meeting was adjourned at 2036 with refreshments and fellowship following.

### Hot Doggett 100

The Hot Doggett 100 held on July 13th, went well this year. There were several changes to the course due to road closures from all the recent flooding in Madison County. There were several operators from WCARS this year that help out Allen - KF4ZDS and for the first time there was communications via Amateur Radio at every check point.

Even the rain managed to hold off for most of the event.

I look forward to helping out again next year.

Paul - KK4BRD

### Net Information 146.910 PL 91.5:

- **WCARS Information Net Monday @ 9:00 PM** - Club information, announcements and informal comments
- **BC-ARES Net Wednesday @ 9:00 PM** - Emergency communications practice and training, formal net followed by informal comments

## Regional Hamfests

### Mid-Summer Swap Fest Cary ARC

When: July 20, 2013

Where: Town of Cary, Harold Ritter Park  
301 West Lochmere Drive  
Cary, NC

Talk-in: 146.88 (-0.6) (No PL)

### 15th Annual Cape Fear Amateur Radio Swapfest Cape Fear Amateur Radio Society

When: August 3, 2013

Where: Cumberland County Shrine Club  
7040 Ramsey Street  
Fayetteville, NC

Talk-in: 146.910 (PL 100)

### Shelby Hamfest Shelby Amateur Radio Club

When: August 31, 2013

Where: Cleveland County Fairgrounds  
1751 East Marion Street  
Shelby, NC

Talk-in: 146.880 (-), (no PL)

Know of a Hamfest that is in our region but not listed? Let me know so I can added to the list!

Contact Paul at [kk4brd@gmail.com](mailto:kk4brd@gmail.com)

# **WCARS Hamfest**

## **Vendors and Prizes**

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Early registration door prize is a Wouxun Dual Band HT.

The other two large door prizes are a Yaesu FT7900 and a Yaesu FT857D for the Grand prize.

Other door prizes are various gift certificates from AARL.

Known major vendors are as follows:

- Satellite Sam—Lynchburg, VA
- Webster Communications (New Vendor), Rochester, MI
- The Wireman
- T.A.W.—London, KY
- Custom Audio / Video Services—Elizabethton, TN
- DBJ Radio—Jamestown, NC
- AC & DC Electronics—Gibsonville, NC

Tailgating outside, Concession Stand, lots of parking

Gate opens 6 AM Saturday!

**See you there!**

## From the Editor

Hamfest is here again! Look forward to seeing everyone!

Today was a nice day (Monday 15th) the first sunny day I think in about a month here in Black Mountain. Was starting to wonder if the sun would come back out.

Dwight and myself have been busy working on the Skywarn project so I've not done anything on a few projects I've been wanting to do. In part the rain has made it almost impossible as well to set a new antenna mast up.

I'd like to thank everyone who has been checking in on the Monday nets. There has been some really good turn outs lately. Lets keep up the check ins!

Comments, suggestions, help wanted, items for sale or articles you would like to see in Smoketest? If so send your comments, suggestions, requests for help / items for sale, and articles to Paul at [kk4brd@gmail.com](mailto:kk4brd@gmail.com)

73s,

Paul - KK4BRD

## WCARS Prayer List

Keith Galyean	Tommy Queen
Doris Galyean	Connie Duncan
Donnie Grindstaff	Gerald Morgan
Roger Grindstaff	Walt Lewis
Norman Harrill	
Linda Harris	
Carl Smith	
Reid Todd	
Jack Graffing	
Norma Graffing	

## The ARRL Letter



Materials in the ARRL Letter are taken from The ARRL Letter online, full credit is given to The ARRL Letter and the American Radio Relay League, as per republication guidelines require.

<http://www.arrl.org/arrlletter>

## Phishing Scam via ARRL.net E-mail Addresses Reported

Several ARRL members have reported that someone posing as "Arrl.net Online Services" is prompting members to provide personal information. These e-mails ask the user for his or her username and password.

These e-mails do not come from the ARRL. The League would never ask you for this sort of information in this fashion. The best course of action is to ignore such requests and, as a general precaution, never send personal information via e-mail.

## Emergency Radio: Colorado ARES Supported Emergency Communication in Wildland Fire Response

Colorado Amateur Radio Emergency Service (ARES) volunteers mustered to support emergency communications after wildland fires broke out in June.

"For the second summer in a row the entire state of Colorado seems to be on fire," said North Central Colorado Region ARES Emergency Coordinator Perry Lundquist, W6AUN. "Currently there are 16 wildfires burning within Colorado."

Several Colorado ARES districts activated in the wake of the Royal Gorge and Black Forest fires June 11. Members provided communication support for sheltering activities. Later the same day, the Black Forest Fire erupted close to the Waldo Canyon area in Colorado Springs



where a similar wildfire caused widespread destruction last year. "The Black Forest Fire has now become the most destructive fire in Colorado history," Lundquist said. It ultimately consumed 14,280 acres and 507 homes and caused two deaths.

During the fire's peak, eight shelters were opened for both people as well as animals large and small, Lundquist reports. More than 35,000 residents had to evacuate, he said, which placed a very heavy burden on the American Red Cross, which immediately requested ARES communication support between its eight various shelters and the Pikes Peak Red Cross headquarters. ARES volunteers responded by providing around-the-clock radio operators for several days.

Lundquist said in late June that several Jefferson County ARES members were still working on other fires within the state where their ARES members are assigned individually as National Wildfire Coordinating Group (NWCG) certified communication technicians and radio operators. "Colorado Section and Regional ARES leadership has worked closely to support the local ARES districts and to provide ARES mutual aid in the form of communications equipment and ARES-trained manpower resources wherever and whenever needed," he said. -- Thanks to Perry Lundquist, W6AUN; Colorado SM Jack Ciaccia, WMØG, and Rick Palm, K1CE

### **ARRL Urges Denial of Petition to Permit Encryption of Some Emergency Communications**

The ARRL is calling on the FCC to deny a Petition for Rule Making (RM-11699) seeking to permit the encryption of certain amateur communications during emergency operations or related training exercises. Don Rolph, AB1PH, of E Walpole, Massachusetts, petitioned the Commission in March to suggest an additional exception to §97.113, which currently prohibits

encoded for the purpose of obscuring their meaning."

"While Mr Rolph has concisely stated his argument, it is ARRL's considered view that there is no factual or legal basis for the assumption that encryption of transmissions...is necessary in order to continue and enhance the utility of Amateur Radio emergency and disaster relief communications," the League said in its comments, filed today with the FCC. The ARRL also turned away Rolph's assertion that the current prohibition in §97.113 "has impacted the relationship of Amateur Radio volunteers and served agencies and significantly limited the effectiveness of amateurs in supporting emergency communications." The League said it's unaware of any evidence that served agencies have been reluctant to utilize Amateur Radio as part of their emergency or disaster relief communications plans because of the encryption restrictions in Part 97. The Amateur Service rule is based on a similar prohibition in international telecommunication law, the ARRL noted.

The League characterized as "erroneous" and "unfounded" Rolph's assumption that encryption of certain information may be required under the provisions of HIPAA — the Health Insurance Portability and Accountability Act. "This mistaken assumption leads to the conclusion that the inability of Amateur Radio operators to encrypt the content of their transmissions in order to obscure the meaning of the transmissions renders Amateur Radio less (and decreasingly) useful to served agencies than it would be if encryption of those transmissions was permitted," the ARRL said. The League also said it was unaware of any instance in which state statutes have been cited by any served agency or group as a reason not to employ Amateur Radio for emergency communication.

Radio amateurs, the ARRL countered, are not “covered entities” under HIPAA, which applies only to health care providers, health plans and health care clearinghouses. And, the League added, there is no expectation of privacy in Amateur Radio communications.

The ARRL said it’s not possible to determine the validity of the claim “that health care agencies subject to HIPAA are or might be unwilling or reluctant to utilize Amateur Radio in emergency communications and disaster relief planning” because of any lack of privacy inherent in Amateur Radio. “Permitting encryption might remedy the concern as a practical matter, if the concern exists,” the League continued, but “the complete dearth of even anecdotal evidence of the existence of that concern” makes it impossible to justify the proposed rule change on that basis.

“It is extremely important to insure that Amateur Radio remains useful to served disaster relief and emergency communications agencies, which include health care facilities,” the League stressed. “It is just as important to insure that regulatory impediments to that volunteer work be minimized to the extent consistent with the nature of the Amateur Radio Service.” Amateur Radio’s utility to served agencies in supporting emergency communication, the ARRL continued, “is high indeed, and is at the present time unfettered by the inability to encrypt transmissions.”

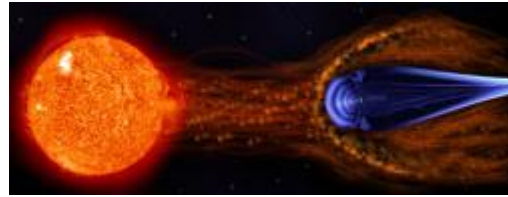
However, the ARRL said that should it become necessary in the future for radio amateurs to protect the privacy of individuals whose medical data may be transmitted by Amateur Radio during or after an emergency or disaster, “the Commission may be asked to revisit this matter.”

“It is urgent that Amateur Radio continue to be an essential component of disaster and emergency communications planning,” and that served agencies, including medical facilities, perceive the utility of Amateur Radio as unhindered by regulations that prohibit encryption, the League emphasized.

More than 200 comments were filed on RM-11699, most of them tending to support the ARRL’s arguments.

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# Solar Weather



NOAA Solar Forecasts

Updated at: 2013 July 15

**Sunspot Number: 88**

Flare	0-24 hr	24-48 hr
Class M	25%	25%
Class X	01%	01%

## Spotless Days

Current Stretch: 0 days  
 2013 total: 0 days (0%)  
 2012 total: 0 days (0%)  
 2011 total: 2 days (<1%)  
 2010 total: 51 days (14%)  
 2009 total: 260 days (71%)  
 Since 2004: 821 days  
 Typical Solar Min: 486 days

## Geomagnetic Storms

Mid-latitudes	0-24 hr	24-48 hr
Active	15%	20%
Minor	05%	05%
Severe	01%	01%

## Interplanetary Magnetic Field

$B_{total}$ : 4.1 nT       $B_z$ : 3.4 nT south

High-latitudes	0-24 hr	24-48 hr
Active	20%	20%
Minor	25%	30%
Severe	20%	25%

## The Radio Sun

10.7 cm flux: 113 sfu

HF Conditions	Day	Night
80 m - 40 m	Fair	Good
30 m - 20 m	Good	Good
17 m - 15 m	Fair	Fair
12 m - 10 m	Poor	Poor
VHF Conditions	Day	Night
Aurora	Band Closed	
6 m EsEU	Band Closed	
4 m EsEU	Band Closed	
2 m EsEU	Band Closed	
2 m EsNA	Band Closed	
EME Deg	Good	

# Local / Regional Nets



HF/VHF/UHF Net Information				
NET NAME	Freq offset / PL	Day	Local time	Notes
6600	145.190 -	Saturday	9-PM	Many check-ins-Wide area coverage
Blue Ridge Traffic	146.610 -	Nightly	9-PM	ARES/Skywarn in bad weather
BRARC	146.640 - 91.5	Sunday	9-PM	
Buncombe Cty Emerg. Mgt.	146.910 - 91.5	Wednesday	9-PM	Directed net, ARES/RACES
Carolinas Net - Early	3.573	Daily	7-PM	CW Traffic
Carolinas Net - Late	3.573	Daily	10-PM	CW - 15-18 WPM Traffic
Carolinas Net - Slow	3.571	Daily	8-PM	Slow CW - 8 to 10 WPM Traffic
Franklin, NC - Winesprings Bald	147.240 + / 151.4	Daily	9-PM	
Good Morning	146.760 -	M-W-F	9-AM	Informal, Everyone welcome
Haywood County Roundtable	147.390 + 94.8	Monday	8-PM	Informal, Everyone welcome
K4UUQ Morning	7.228	Daily	7-AM	Ragchew
Madison Cty-AmRadComTeam	224.660 100	Tuesday	9-PM	Madison County Emergency Comm
Mount Mitchell 220	224.540	Monday	8-PM	Informal, Everyone welcome
Mount Mitchell Ragchew	442.225 + 107.2	Monday	9-PM	Directed, Everyone welcome
Mount Mitchell Sunrise Net	442.225 + 107.2	Thursday	9-AM	Informal - Everyone welcome
Mount Pisgah 220	224.260	Sunday	9-PM	Informal, Everyone welcome
NC Evening Traffic	3.923	Daily	6:30-PM	SSB
NC Morning Traffic	3.927	Daily	7:45-AM	SSB
Oasis Shrine Radio Corp.	145.190 +	Sunday	9-PM	
SATERN	14.265	Daily	3-PM	Salvation Army Team-Emergency
Tarheel Emergency Net	3.923	Daily	7:30-PM	Directed, NC Emerg. Mgt - Traffic
Volunteer	147.180 + 136.5	Friday	9-PM	Info, News and Swap
WCARS Information	146.910 - 91.5	Monday	9-PM	Informal, Everyone welcome
???	224.600			WB4PLA on Spivey Mtn. ???
W4YK	53.630 - 100	Friday	9-PM	???
Traders Net	147.05 - 91.5	Tuesday	9-PM	
Skywarn	145.27 - 91.5	As Needed		
SC Hearts / NC Hears / SW VA Net	444.250 - 91.5	Daily	8-PM	
NC Hears	444.250 - 91.5	Daily	9:30 PM	
K4MFD Greenville - 440	444.200 + 173.8			Located on Bald Mtn. N. of Asheville
K4MFD Greenville - 6 Meter	53.400			Located on Bald Mtn. N. of Asheville Linked to N2GE 224.660 & KI4DNY 224.600 fulltime

Local / Regional Repeater List		
Frequency / offset / PL	Location	Notes
145.190 -	Mt. Mitchell	
146.520 Simplex	National Calling Frequency	
146.910 - 91.5	WCARS	
146.640 - 91.5	Hendersonville	IRLP
146.610 -	Greenville, SC	
147.105 + 91.5	Hendersonville	
145.270 - 91.5	Hendersonville	
145.370 - 91.5	Greenville, SC	
147.390 + 94.8	Waynesville	
147.315 + 123	Spartanburg	
147.060 + 123	Greenville, TN	
145.410 - 127.3	Greenville, TN	
145.390 - 186.2	Greenville, TN	
146.760 -	Mt. Pisgah	
146.880 -	Shelby	
147.135 +	Brevard	
147.285 +	Tryon	
145.330 -	Tryon	
146.790 -	Anderson, SC	
146.240 +	Franklin	Connected to 151.4 Pickens, SC
442.225 + 107.2	Mt. Mitchell	
442.450 +	Hendersonville	
442.850 +	Brevard	
444.875 + 131.8	Waynesville	IRLP
224.520 - 91.5	Mt. Spivey	
224.600 - 94.8	Asheville	
224.240 -	Hendersonville	
224.960 -	Hendersonville	
224.540 -	Mt. Mitchell	
224.260 -	Mt. Pisgah	
224.200 -	Shelby	
224.460 -	Shelby	
224.360 -	Marshall	
224.660 - 100	Madison County	
53.630 - 100	Mt. Mitchell	
53.130 - 100	Hendersonville	
53.410 - 131.8	Greenville, SC	

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# HAMFEST

# WCARS



Saturday  
July 27, 2013

Sponsored by Western Carolina Amateur Radio Society

[www.wcars.org](http://www.wcars.org)

WHERE: Haywood County Fairgrounds  
758 Crabtree Road, Waynesville, NC

Latitude: 35.533414 / Longitude: -82.960174

## W4MOE

Gates open at 6:00 AM, Doors open at 8:00 AM. Advance tickets are \$5.00,  
Tickets at the gate are \$7.00, correct change is appreciated.

Talk-In on WCARS repeater (W4MOE, 146.910 minus, 91.5 tone, Asheville), HCARC (N4DTR, 147.390 plus, 94.8 tone, Lake Junaluska)



Free parking ~ Hourly Prizes ~ VE Testing ~ Forums ~ Reserved Inside Tables ~ Covered Flea Market Spaces ~ On-Site Camping with Electric and Water (first come basis, 12 Noon Friday July 26th through 4 PM Saturday)

Hamfest	ADVANCE ORDER FORM		WCARS 2013
			No.
Name _____	Callsign _____	Tickets @ \$5.00 _____	= \$ _____
Address _____		Tables @ \$12.00 _____	= \$ _____
		Covered Spaces @ \$10.00 _____	= \$ _____
Phone _____		Total Enclosed: _____	= \$ _____
Email _____			

Please include an e-mail address so that we may confirm your order, along with an SASE for ticket delivery.  
Requests received after July 18th will be held for pickup at the hamfest site on event date.

Mail to: WCARS, PO Box 1488, Asheville, NC 28802 [www.wcars.org](http://www.wcars.org)

# WCARS HamFest Volunteer Sign-up

Name: \_\_\_\_\_

Call Sign: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Email: \_\_\_\_\_

Days you can volunteer on:  Friday  Saturday

Hours you volunteer:  All Day  All Day

Morning  Morning

Afternoon  Afternoon

Evening  Evening

Other: \_\_\_\_\_

Please email Jeff - KJ4TEI at [weller\\_j@bellsouth.net](mailto:weller_j@bellsouth.net) with the information on this form.



# Where's the Hamfest at?



Haywood County Fairgrounds <http://goo.gl/maps/h1gyq>

## 758 Crabtree Road, Waynesville, NC

Talk-In on WCARS repeater (W4MOE, 146.910 minus, 91.5 tone, Asheville),  
HCARC (N4DTR, 147.390 plus, 94.8 tone, Lake Junaluska)

**Setup July 26th - Hamfest July 27**

Gates open at 6:00 AM, Doors open at 8:00 AM. *Advance tickets are \$5.00,  
Tickets at the gate are \$7.00, correct change is appreciated*