



WCARS.org
November 2007

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

President's Microphone...Scott - W4IYS

All members are encouraged to attend the November club meeting. Officer elections help determine the direction and emphasis of the club for the future. Such an important decision should involve all members. This is the opportunity for each club member to register his or her preferences by voting. November 22nd is Thanksgiving. We should pause to be thankful for our freedom and abundant lifestyle we enjoy. November 11th is Veterans Day. Let's remember those who helped establish and preserve our way of life. "Liberty is not free." Hope to see you at the next club meeting. 73

October 4th Minutes...Karen - KG40UP

Meeting was called to order at 7:35p.m.
The pledge to the flag was given.
Introductions were made with 44+in attendance.
Scott - W4IYS read the list of nominations for the new leaders to be voted on at the November meeting.
Dean - K2JB announced the 224 machine is back on the air.
John - W4QCF gave the program on the American Wireless Association.
Door prize was won by AC4JK - John.
50/50 was won by - KI4MPQ - Glen.
Meeting was adjourned at 8:32 p.m.

SKYWARN Recognition Day



NWS offices acquire real time weather information from amateur radio operators. Operators may report the location and direction of a tornado, the height of floodwaters, or damaging wind speeds during hurricanes. This information is critical to the mission of the NWS, the preservation of life and property. Since 1999, SKYWARN Recognition Day (SRD) is observed to celebrate the contributions that voluntary SKYWARN radio operators make to the National Weather Service (NWS). Since founding by the NWS and the American Radio Relay League (ARRL), operators visit NWS offices and contact other radio operators across the world. Information regarding SRD is available at <http://hamradio.noaa.gov>. SKYWARN Recognition Day begins at 0000 UTC on December 1, 2007, and lasts 24 hours. The use of most frequencies and modes is expected, but the use of HF capabilities is encouraged to allow more stations to make contact. Operations must conform to the rules and regulations as stated by the FCC. Operators must be licensed for frequencies they utilize. There are no band plans for SRD. Contacts will normally be made utilizing the general or novice portions of the bands. The extra portion of the bands may be used if the control operator has the necessary privileges. This is not a contest. Just enjoy making contact with SKYWARN operators nationwide. KF4TVD - Steve



ARRL Continuing Education Course Registration (Oct 17, 2007) -- Registration

remains open through **Sunday, November 4** for these online courses beginning on **Friday, November 16**: Amateur Radio Emergency Communications Level 2 ([EC-002](#)); Amateur Radio Emergency Communications Level 3 ([EC-003R2](#)). To learn more, visit the [CCE Course listing page](#) or [contact](#) the Continuing Education Program Coordinator.

EC-002 Description: Intermediate Amateur Radio Emergency Communications. A more in-depth study into amateur radio emergency communications to enhance the skills and knowledge received from previous experience. Level I ARECC is required prior to taking Level II. This course has 20 lesson units, is expected to take approximately 25 hours to complete over an 8-week period.

EC-003R2 Description: Advanced Amateur Radio Emergency Communications. This is the third and final stage of the 3-level ARRL Amateur Radio Emergency Communications Courses. This is a course for those in leadership or aspiring to leadership positions. Revision 2 is a significant rewrite that brings the course current with the post-9/11/01 Department of Homeland Security (DHS) paradigm. This course has 23 learning units, is expected to take approximately 25 hours to complete over a 12-week period.

ARRL CCE

Why there are 24 hours in a day

Why today do we count 24 hours in a day? Why not 50, 20 or even 10? The answer is believed to date back 5000 years to Ancient Sumer, the land of the Tigris and Euphrates rivers and that became Babylon, the land the Greeks called Mesopotamia and the land today we know as the Republic of Iraq.

We believe that Sumerian, the language of Ancient Sumer, is the worlds first written language. From this language we know that the first mathematics developed using the base 12 (the base we use today, base 10, came much later).

Although base 12 may seem strange to us today, it is easy to see how base 12 can be used for counting. Simply use your thumb on one hand to touch each of the three segments of the other fingers on that hand. With three segments per finger and four fingers touchable by that thumb, one can count to twelve. That formed the numeric base of the mathematics of Sumer. Having an opposable thumb was probably an important part of learning to count 5000 years ago.

Since most activities took place during periods of daylight, it was natural to divide the day into 12 units, the number that can be easily counted on one hand. Eventually, when it became important to also count the time at night, the night was also given the same number of units so 2×12 became 24 units per full day. This is believed to be the origin of our 24-hour days!

Later, when Sumer became Babylon, Babylonian mathematics used a sexagesimal counting system - everything was based on 60. Learning to do math in a sexagesimal system (with no equivalent to a decimal point or place holder) is a chore - but they were quite good at it. Base 60 makes for easy fractions, because of the significant number of divisors. So the 60 minutes in an hour, and 60 seconds in a minute come from the Babylonians.

W6FUB - Larry McDavid (President, Fullerton Radio Club)

Submitted by KC6YHM - Mike

Hamfest Calendar

November 17

Rockwood, TN, Roane County ARC, National Guard Armory, 111 S Hewitt Ave, 7am - 1 pm. 2nd Annual Hamfest. ARES/EOC and other seminars. VE sessions. TI: 147.015 (110.9Hz). Adm: \$5. Tables: \$10. Kati Segar, Box 1104, Kingston, TN 37763: 865-354-4311; fax 865-354-5120; katisegar@hughes.net; www.ke4rsx.org

November 18

Benson, NC, Johnston ARS, American Legion, 605 N Wall St, 8am - 4pm, 20th Annual "JARSFEST", tailgating, inside tables, VE

sessions, refreshments. TI: 147.27. Adm: advance \$4, door \$5. Tables: \$10, Bill Lambert, AK4H, 8917 NC 50 N, Benson, NC 27504; 919-894-3352; fax 919-894-3219; blambert1@mindspring.com; www.jars.net

December 1

Gastonia, NC, Gastonia Area ARC, Gastonia Farmers Market, 410 E Long Ave, 8 am - noon, Swapfest. TI: 146.805. Adm: \$5. Paul Williams, K4PJW, 703 McAdenville Rd, Lowell, NC 28098-1621; 704-200-0450, fax 704-810-3149; arrrl@k4pjw.net; www.gaarc.com

Amateur Radio Emergency Service®

(ARES®) *Training for emergency*

communications EmComm volunteers

The Department of Homeland Security (in 2004) established the National Incident Management System (NIMS), required under Homeland Security Presidential Directive (HSPD) -Management of Domestic Incidents and HSPD-8 Preparedness. HSPD-5 established the National Integration Center (NIC) Incident Management Systems Division as the lead federal entity to coordinate NIMS compliance. Its function is to ensure that NIMS remains an effective means to address ongoing preparedness needs. Like it or not, future integration of volunteer amateur radio operators into EmComm operations will require a higher level of training, education and experience to provide effective communications to those served.

ARES volunteers can obtain certification/education information from certain sites when choosing to ensure their acceptance into future EmComm operations.



The ARRL Certification and Continuing Education (C-CE) site <http://www.arrrl.org/cce/>,

provides links to Amateur Radio Emergency Communications (AREC) courses EC-001, EC-002 and EC-003. These courses are offered on-line at monthly intervals, at a current cost of \$45 for members, or \$75 for non-members. NIMS compliant certification of IS-100, IS-200 and IS-700 may also be accomplished on-line. The Federal Emergency Management Agency



FEMA

(FEMA) Emergency Management Institute (EMI) offers self-paced

courses designed for people who are involved in emergency management and also to the public. All are free-to those who qualify for enrollment. The starting point is <http://training.fema.gov/IS/NIMS.asp>.

KF4TVD – Steve

Amateur Radio Emergency Service® and ARES® are registered marks of the American Radio Relay League, Incorporated, and are used by permission.

Simulated Emergency Test (SET)

Saturday, November 3, 2007 marks the schedule for the North Carolina Section's annual SET, to run from 8:00 am until Noon. This year's event will simulate a statewide total communications failure. Contacts are to be conducted on 3.927 MHz. SET is a training exercise involving ARES and the National Traffic System (NTS), a message-handling service of amateur radio. The ARRL is a principal sponsor in this contest like event. These tests are conducted to identify strengths and weaknesses in emergency preparedness and communications. This exercise demonstrates amateur radio capabilities to the public as well. All amateurs are encouraged to participate.

KF4TVD - Steve

November Meeting

The next WCARS meeting will be November 1, 2007, 7:30 p.m. in the Simpson Auditorium, Simpson Bldg, at AB Tech. Program: To be announced.

Morse Tips & Quips



"IT'S NEVER TOO EARLY TO START LEARNING MORSE CODE!"

Copyright © 2004 K9YA Telegraph. All rights reserved.

Smoke Test Editor... Members please send any material of interest for inclusion in the newsletter to KF4TVD@ARRL.NET
73 Steve - KF4TVD

SPECIAL EVENTS to honor and remember our military veterans



Nov 9-Nov 12, 1400Z-2000Z, Arlington Heights, IL. Armored Force Amateur Radio Net, KA9NLX. Veterans Day SE honoring and remembering all veterans. 28.640 21.375 14.325 7.283 7.030 3.985 possibly 2m. Certificate. John Paskevicz, 1423 North Ridge Ave, Arlington Heights, IL 60004. jpaskev@aol.com

WWI Victory Medal

Nov 10, 1500Z-2200Z, Waterloo, IA. Five Sullivan Brothers Amateur Radio Club, W0FSB. Marine Corps birthday and honoring Greg (Pappy) Boyington. 14.240 7.240. Certificate. Five Sullivan Brothers ARC, 4015 Independence Ave, Waterloo, IA 50703. t-mc-nulty@msn.com

Nov 10, 1600Z-2300Z, San Diego, CA. USS Midway CV-41 COMEDTRA, NI6IW. Commemorate Veterans Day and Marine Corps Birthday. 14.325 7.260. QSL. USS Midway CV-41 Museum, 910 North Harbor Dr, San Diego, CA 92101. w9bq@aol.com

Nov 10-Nov 12, 1300Z-2100Z, Iron Mountain, MI. Mich-A-Con Amateur Radio Club, K8V. UP Veterans Memorial atop Pine Mountain, Veterans Day. 14.280 14.060 7.230 7.060. Certificate. Thomas Martin, 812 West B St, Iron Mountain, MI 49801. www.qrz.com/k8v



WWII Veterans Memorial

K0AIR. Veterans Day Salute to Veterans. 14.254 7.178 3.8. QSL. Frank Taylor, 1413 St Joachin Ct, Bellevue, NE 68005.

Nov 11, 1500Z-2230Z, Baton Rouge, LA. USS Kidd Amateur Radio Club, W5KID. Veteran's Day. SSB 14.250 to 14.320 CW 28.060 21.060 14.060 10.106 7.040. QSL. W5KID, c/o USS

Kidd Museum, 305 South River Rd, Baton Rouge, LA 70802.

www.lsu.edu/brarc/USS_Kidd.htm

Nov 11-Nov 12, 1300Z-1930Z, Grand Rapids, MI. Michigan Amateur Radio Alliance, W8USA. Veterans Day from the Grand Rapids Home for Veterans. SSB 21.280 14.290 7.275 CW 14.045 7.045. Certificate. MARA Attn: Larry Dells, PO Box 670, Comstock Park, MI 49321-0670. Certificate (\$2) and QSL available.

www.w8usa.org

Nov 11-Nov 12, 1600Z-0100Z, Santa Cruz, CA. United Veterans Council of Santa Cruz, K6V. Veteran's Day 2007, from the Veteran's



Memorial Building. 14.280 7.250. QSL. United Veterans Council, 846 Front St, Santa Cruz, CA 95060.

Korean War Memorial

Nov 16, 1400Z-1700Z, Luther, OK. Luther ARC and OK City AutoPatch Assoc, KB2AW.

Dedication of Luther Veterans Memorial and Oklahoma's Centennial Day. 14.250. QSL.

Dolph H. Grolock Jr, PO Box 305, Luther, OK 73054-0305. Luther Amateur Radio Club and Oklahoma City AutoPatch Association.

Nov 24-Dec 9, 0000Z-0000Z, Paris, FRANCE.

Association des Radioamateurs de Paris, TM8IRC. 80th Birthday of the International Radiotelegraph Convention. 21.270 14.270 7.070 3.770. Certificate. ARP, 66 Avenue de la Republique, Paris 75011, FRANCE. arp75.free.fr



Vietnam Memorial

THE SMOKE TEST

The Official Publication of the
Western Carolina Amateur Radio Society, Inc.
 PO Box 1488, Asheville, NC 28802
www.wcars.org
 W4MOE/146.910 - /PL 91.5 Spivey Mountain/Asheville

2007 OFFICERS

President	Scott McCabe	W4IYS	252-0583	esmccabe@charter.net
Vice-President	John Davis	AI4HY	232-0023	docjbd@aol.com
Secretary	Karen Smith	KG4OUP	890-5103	kg4oup@arrl.net
Treasurer	Karl Krauss	K4PCY	674-8480	kraussmail@bellsouth.net
Executive Committee	Ken Smith	KE4VMB	890-5103	ke4vmb@arrl.net
Executive Committee	Chet Allen	KE4VXC	258-3954	olblu@charter.net
Trustee	Norman Harrill	N4NH	253-1192	nharrill@bellsouth.net
Quartermaster	Elwood Miles	KN4ST	253-4490	elwood3@charter.net
Awards Chair	Bob Dockery	WD4CNZ	254-0513	wd4cnz@arrl.net
Public Information	Bob Dockery	WD4CNZ	254-0513	wd4cnz@arrl.net
Field Day 07 Chair	Chet Allen	KE4VXC	258-3954	olblu@charter.net
Hamfest Chair 2007	Dean Blair	K2JB	665-1830	k2jb@arrl.net
Smoketest Editor	Steve Emory	KF4TVD	658-0261	kf4tvd@arrl.net

American Radio Relay League Affiliate No. 0602

WCARS meets at 7:30 PM the first Thursday of each month at the Simpson Building at AB Technical Community College.

Everyone is welcome to attend.

Membership dues are \$20 per year payable in January.

Net	Freq (MHz) offset / PL	Day	12 Hr Time	24 Hr Time	NOTES
WCARS Information Net	146.910 - / 91.5	Monday	9:00 pm	2100	Informal, Everyone Welcome
Oasis Shrine Radio Corp. Net.	145.190 -	Sunday	9:00 pm	2100	
BRARC Net	146.640 - / 91.5	Sunday	8:00pm	2000	
Good Morning Net	146.760 -	M-W-F	9:00 am	0900	Informal, Everyone Welcome
Madison Co. Am.Rad.Com.Tm	224.660 - / 100	Tuesday	9:00 pm	2100	Madison Co. Emerg. Comm. Net
Buncombe Co. Emerg Mgt Net	146.910 - / 91.5	Wednesday	9:00 pm	2100	Directed Net, ARES / RACES
Volunteer Net	147.180 + / 136.5	Friday	9:00 pm	2100	Info, News and Swap Net
6600 Net	145.190 -	Saturday	9:00 pm	2100	Many Check-Ins - Wide Coverage
Blue Ridge Traffic Net	146.610 -	Nightly	9:00 pm	2100	May be ARES / SKYWARN in bad WX
Mount Pisgah 220 Net	224.260 -	Sunday	9:00 pm	2100	Informal, Everyone Welcome
Mount Mitchell 220 Net	224.540 -	Monday	8:00 pm	2000	Informal, Everyone Welcome
SATERN Net	14.265	Daily	3:00 pm Z	1500 Z	Salvation Army Team Emerg. Radio net
K4UUQ Morning Net	7.225	Daily	7:00 am	0700	Rag chew
NC Morning Net	3.927	Daily	7:45 am	0745	SSB Traffic Net
NC Evening Net	3.923	Daily	6:30 pm	1830	SSB Traffic Net
Carolinas Net (early)	3.573	Daily	7:00 pm	1900	CW (20-22 wpm) Traffic Net
Tarheel Emergency Net	3.923	Nightly	7:30 pm	1930	Directed Net, NC Emerg. Mgt / traffic
Carolinas Slow Net	3.571	Nightly	8:00 pm	2000	Slow CW (8-10 wpm) Traffic Net
Carolinas Net (late)	3.573	Nightly	10:00 pm	2200	CW (15-18 wpm) Traffic Net