

CQ CHATTER

VOLUME B10 • Issue #10 WOOD COUNTY AMATEUR RADIO CLUB NOVEMBER 2009

P.O. BOX 534, Bowling Green, OH

<http://wcarc.bgsu.edu>

President	WB8NQW	Bob Willman
Vice President	K8NEA	Duane Ashbaucher
Secretary	N1RB	Bob Boughton
Treasurer	WD8JWJ	Bill Wilkins

WCARC Minutes

Meeting of October 12, 2009

thanks to WB8NQW for providing the minutes

Call to order: 7:30 pm

Pledge of Allegiance

Secretary's report was approved as printed in the newsletter. Treasurer's report was read. Steve, K8BBK, moved to approve. Loren, W8PSK, seconded. Motion carried.

Old Business:

We had a successful foxhunt with 1 fox, WB8NQW, and 1 hound K8BBK/W8PSK riding together as a team. It took about 50 minutes to find the fox who was hidden part way down the loading dock ramp at Wood Haven Care Center with the mobile antenna at ground level.

Don, K8OVO, reported that he had participated in the SET on October 03-04.

We discussed Brett's repeater at some length. Bob, WB8NQW, did not realize that this discussion about an ad-

**WCARC Weekly Net:
Tuesdays at 2130 EDST
(0130 Z Wed year-round)
147.18 MHz 67 Hz PL**

Next Meeting

Breakfast

SATURDAY Nov. 7th

TIME: 9:00 am

**PLACE: Couzin's Restaurant,
Grand Rapids, OH**

ditional repeater involves more than one repeater. More information is needed.

Bob WB8NQW had some flyers from Ham Test Online to pass out.

We are still exploring the re-acquisition of our radio facilities at the fairgrounds.

New Business:

Meeting program schedule -- possible subjects for future programs:

- Amateur software
- High Definition video technology

continued on p. 5

Net Check Ins

Oct 6

N1RB (NC)
N8QMV
WB8NQW
WD8PIC
W8PSK
WD8JWJ
KG8FH
K8NEA
WD8ICP
N8YAE
KD8JHN
K8BBK
KC8THX John (13)

Oct 20

N8QMV (NC)
WB8NQW (2)

Oct 27

N8QMV (NC)
W8PSK
K8OVO
WD8PIC
N1RB
WB8NQW (6)

WCARC

2 m Net Control Roster

Net meets every Tuesday at
2030 EST/0130 Z

Nov 3	WB8NQW
Nov 10	N1RB
Nov 17	K8OVO
Nov 24	WD8ICP
Dec 1	N8QMV
Dec 8	WB8NQW
Dec 15	N1RB

Brain Teasers

1. If an SSB transmitter is 100% modulated, what will a speech processor do to the transmitter's output?
 - a.) increase the output PEP
 - b.) add nothing to the output PEP
 - c.) decrease the peak power output
 - d.) decrease the average power output
2. What size wire is normally used on a 20 A, 120 VAC household appliance circuit?
 - a.) 20 AWG
 - b.) 16 AWG
 - c.) 14 AWG
 - d.) 12 AWG
3. What is the process by which sunlight is directly changed into electricity?
 - a.) photovoltaic conversion
 - b.) photosensitive conduction
 - c.) photosynthesis
 - d.) photocoupling

November Contests

The contest lineup for the month of November is given below. Please note that the WARC bands (60, 30, 17 and 12 m) are never open to contesting.

Nov 7-8	<i>1200 to 1200 Z</i>	80 m to 10 m
Ukrainian DX 'test		all modes
Nov 7-9	<i>2100 to 0300 Z</i>	160 m to 10 m
ARRL Sweepstakes		CW
Nov 14-15	<i>0000 to 2400 Z</i>	80 m to 10 m
Worked All Europe DX 'test		digital
Nov 14-15	<i>0700 to 1300 Z</i>	80 m to 10 m
Japan Int'l DX 'test		SSB
Nov 14-15	<i>1200 to 1200 Z</i>	160 m to 10 m
OK-OM (Czech/Slovak) DX 'test		CW
Nov 14-15	<i>1400 to 0200 Z</i>	160 m to 10 m
Kentucky QSO Party		all modes
Nov 21-22	<i>0000 to 2359 Z</i>	160 m to 10 m
Mongolia DX 'test		all modes
Nov 21-22	<i>1200 to 1200 Z</i>	80 m to 10 m
LZ (Bulgaria) DX 'test		all modes
Nov 21-23	<i>2100 to 0300 Z</i>	160 m to 10 m
ARRL Sweepstakes		SSB
Nov 29-30	<i>0000 to 2400 Z</i>	160 m to 10 m
CQ WW DX 'test		CW

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November Hamfests

Nov 14-15 **Allen County ARTS.** Indiana State Convention and Ft. Wayne Hamfest and Computer Expo. Allen County War Memorial Coliseum. Contact James, KB9IH, (260) 579-2196.

e-mail: chairman@fortwaynehamfest.com

web: <http://www.fortwaynehamfest.com>

Dec 6 **L'Anse Creuse ARC.** L'Anse Creuse AR Swap/Hamfest. L'Anse Creuse High School, Mount Clemens, MI. Contact Marty, K8HVI, (586) 268-0544.

e-mail: k8hvi@arrl.net

web: <http://www.n8lc.org>

Surfin': Remembering the Woodpecker

By Stan Horzepa, WA1LOU

from ARRL News

If you were an active ham radio operator or shortwave listener between 1976 and 1989, you probably remember a rather nasty form of interference on the HF bands during that era known as the "Russian Woodpecker." Its name came about because triangulation indicated that it originated in the west end of the USSR and its signature tapping sounded like a woodpecker pecking at wood.

Its real name was Duga-3 and it served as over-the-horizon radar for the USSR's anti-ballistic missile early warning system. With an estimated transmission power of 10 MW EIRP, the Russian Woodpecker played havoc on the HF bands.

To combat the Woodpecker, some hams attempted -- [according to Wikiped-](#)

Message from the President

Just a reminder that it is almost time for election of officers again. The election usually takes place in January.

Please consider volunteering to run for an office. Make your intentions known to any club officer by December. Thank you. Bob, WB8NQW

[dia](#) -- "to 'jam' the signal by transmitting synchronized unmodulated continuous wave signals, at the same pulse rate as the offending signal. This idea was considered, but abandoned as impractical.

Simple CW pulses didn't appear to have any effect. However, playing back recordings of the woodpecker transmissions sometimes caused the woodpecker transmissions to shift frequency leading

minutes from p. 1

- Green power being used by some of our members

Bob, WB8NQW, asked for volunteers to be on the nominating committee – no response.

Chuck, WD8ICP, volunteered to seek a place for the WCARC kickoff dinner in January.

Several passes were available to the Ft. Wayne Hamfest on 11/14-15.

Breakfast 11/07/2009.

Bill, WD8JWJ, moved to adjourn. Steve, K8BBK, seconded. Meeting was adjourned.

Loren, W8PSK, presented a program about his recent trip across the country and to Singapore and Vietnam. ■

woodpecker from p. 4

to speculation that the receiving stations were able to differentiate between the



View of the Woodpecker Antenna

'signature' waveform of the woodpecker transmissions and a simple pulsed carrier." The Woodpecker disappeared in 1989. Its demise was probably due to the

end of the Cold War, the end of the USSR and new satellite early-warning systems.

[Everything2](#) and [Wikipedia](#) have interesting and contradictory (from a ham radio perspective) entries about the Woodpecker. The Wikipedia entry includes [a sound file of the Woodpecker interfering with WWVH](#) in 1984.

It is an interesting piece of radio history, but what rekindled my interest in the Russian Woodpecker is the spate of photographs of the Duga-3 antenna farm that I have encountered on the Internet recently. Your mileage may vary, but I believe one of the best collections of photographs is on the [English Russia Web site](#).

By the way, the antenna farm is inside the [30 km Chernobyl Zone of Alienation](#). For some eerie photos from the Chernobyl Zone, including more photos of the Duga-3 antenna farm, visit the [Pripyat Project Web site](#). Until next time, keep on surfin'! ■

DON'T FORGET!
10 meter informal net
meets each Sunday
at 2030 EDST
on 28.335 MHz

**WOOD COUNTY ARC
P.O.BOX 534
BOWLING GREEN, OH
43402**

