

CQ CHATTER

JULY 2015

VOLUME B15 • ISSUE 5

WOOD COUNTY AMATEUR RADIO CLUB

PRESIDENT

WB8NQW

BOB WILLMAN

VICE PRESIDENT

VACANT

SECRETARY

N1RB

BOB BOUGHTON

TREASURER

KD8NJW

JIM BARNHOUSE

[HTTP://WCARC.BGSU.EDU](http://wcarc.bgsu.edu)

Minutes WCARC Meeting June 8, 2015

Bob-WB8NQW, presiding

Present: N1RB-Bob, AA8HS-Bruce, W8NYY-Bob, WB8NQW-Bob, KB8RT-Lee, KD8NJW-Jim, K8BBK-Steve, W8PSK-Phil, KC8IFW-Wil, WB8VUL-Hoot, WD8LEI-Eric, special guest-Gary Kellermayer of BiG Fab Lab

Meeting Called to Order with Pledge of Allegiance at 7:30 pm.

The guest, Gary Kellermayer, from the BiG Fab Lab was introduced first to provide a description of the facility and the work and to answer questions from the group. Jim (NJW) asked questions regarding the membership, existence of a network of such facilities and if commercial work could be done there. Gary cited the \$29 Sen/Stu and \$39 Reg monthly dues.

Gary mentioned that there are some nearby fab labs in Detroit and Columbus, but no formal network. As far as he knows, there is no prescription on making commercial prototypes at the facility---it is a "for-profit" organization. Phil (PSK) asked how many members there are currently--the answer is 18 to 20.

Bob (RB) asked what is the ham radio plan, and Gary said that they would like to have an electronics lab in which ham radio plays an integral part, including the use of electronics instruments. With 24/7 access, use of the space for emergency communications is also possible.

Bob (NQW) asked how involved is the Lab with local schools, and Gary mentioned interaction with BG, Eastwood and Otsego schools. They envision busloads of school kids using the facility.

Steve (BBK) asked how much of the equipment had been donated and Gary mentioned some wood-working, metalworking and ceramics equipment as examples.

continued---on p.4

NET CHECK INS

Jun 2 Traffic: 0

KD8VWU (NCS)
KD8WZK
WD8LEI
W8PSK
WB8NQW
N1RB
KD8NJW
K8JU
W8GGS
KD8RNO
W8MSW
K8BBK (12)

Jun 9 Traffic: 0

N1RB (NCS)
KD8WZK/P
KD8NJW
W8PSK
WD8LEI
N8VNT
WB8NQW
KD8VWU
K8OVO
K8BBK
KC8EKT
KG8FH
WD8ICP
WD8PIC (14)

Jun 16 Traffic: 0

K8OVO (NCS)
K8BBK
KD8WZK
N8VNT
KC8EKT
KD8VWU

BRAIN TEASERS

1. Approximately how long is each side of a cubical quad antenna driven element for 21.4 MHz ?
 - a.) 1.17 ft
 - b.) 11.7 ft
 - c.) 47 ft
 - d.) 469 ft
2. A full wave rectifier conducts during how many degrees of each cycle?
 - a.) 90 degrees
 - b.) 180 degrees
 - c.) 270 degrees
 - d.) 360 degrees
3. What is the output PEP from a transmitter if an oscilloscope measures 200 V peak-to-peak across a 50 ohm resistor connected to the transmitter output?
 - a.) 100 W
 - b.) 200 W
 - c.) 400 W
 - d.) 1000 W

July Contests

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

Jul 1	<i>0000 to 2359 Z</i>	160 m to 10 m
Canada Day `test		SSB-CW
Jul 4-5	<i>1100 to 1059 Z</i>	80 m to 10 m
DL-DX RTTY `test		RTTY
Jul 11-12	<i>1200 to 1200 Z</i>	160 m to 10 m
IARU HF World Champ.		SSB-CW
Jul 12	<i>2000 to 2159 Z</i>	20 m
Colorado Gold Rush		CW
Jul 18-19	<i>1800 to 0559 Z</i>	80 m to 10 m
North American QSO Party		RTTY
Jun 18-19	<i>1800 to 2100 Z</i>	6 m, 2 m
CQ WW VHF `test		all modes
Jul 25-26	<i>1200 to 1200 Z</i>	80 m to 10 m
RSGB IOTA `test		all modes
Jul 29-30	<i>1400 to 2359 Z</i>	80 m to 10 m
County Hunters `test		CW

July Hamfests

Jul 11 Indianapolis ARA. Annual Hamfest. Marion County Fairgrounds, Indianapolis, IN.

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

Jul 19 Van Wert ARA. Annual Hamfest. Van Wert County Fairgrounds, Van Wert, OH.

web: <http://w8fy.org>

minutes---from p. 1

The Club elected to hold the next business (August 10th) meeting at the Fab Lab so members could acquaint themselves with the facility.

The normal business meeting followed:

Minutes of May meeting approved.

Treasurer's Report approved (RB/RT).

Old Business:

- Bob (RB/IFW) moved to make the Tech Committee a "task force" to work out the details of the interaction between WCARC and the Fab Lab, with the idea that this group would meet more often than the 2 month gap between regular business meetings. Motion carried unanimously.
- Bob (NYY) reported that the GOBA people will be in the County on June 24, 25 and 26. He is looking for volunteers. If interested, be sure to attend the June ARES meeting on June 20th at 10 am.
- Bob (NQW) inquired about preparations for Field Day on June 27th. Bob (RB) has 3 hf rigs lined up (TS-440, TS-850 and FT-900). Phil (PSK) has revamped the loop and will bring it. Group will meet around noon to start erection of antennas.

- The food situation was a little less well defined. Everyone will bring a side dish, salad or dessert, but it was decided to order out (either pizza or Subway) for the main course.
- Bob (NQW) mentioned that Phil had donated a copy of the repeater controller manual for placement at the repeater site.

New Business:

- Bob (NQW) reported that Al Murray's widow donated a Heath Two'er and a brand new Ham II rotator with control box to the Club.
- Bob (NYY) announced that he will be stepping down as Wood County EC as of the end of the year. He is looking for a replacement and all suggestions are welcome. Bob will stay on to serve as liaison to the Sheriff and EMA office.
- Bob (RB) reported on an offer made by Yaesu to clubs to sell one of their new digital repeater controller/transceivers (DR1-X) for over \$1,000 under retail price (i.e. \$500) on a first come first serve basis. The rub is that the offer expires on June 30. Bob mentioned that he is willing to contribute as are a few other volunteers if the Club can underwrite the remaining expense. A motion to do so was made (NYY/VUL) and carried unanimously. Bob will

continued---on p.5

WCARC Weekly Net

Tuesdays at

2100 EDST/EST

147.18 MHz 67 Hz PL

Net Control Roster

Jun	30	W8PSK
Jul	7	KD8NJW
Jul	14	KD8VWU
Jul	21	N1RB
Jul	28	K80VO
Aug	4	WB8NQW

NEXT MEETING

Breakfast Meeting

Saturday, July 4

TIME: 9:00 am

PLACE: Frisch's Big Boy

E. Poe Rd. and

N. Main St.

Bowling Green, OH

DON'T FORGET!

10 meter informal net meets
Sunday @ 2030 EST/EDST
on 28.335 MHz

minutes---from p. 4

make contact with Yaesu and see if the equipment is still available.

- Bob (NQW) mentioned that the July breakfast meeting is scheduled for the Saturday the Fourth. He asked if anybody had a problem with attending on that date. Hearing no concerns, the date for

the July breakfast meeting remains July 4th. The August 10th business meeting will be held at 7:00 pm at the Fab Lab in Woodland Mall.

Meeting Adjourned at 9:20 pm. ■

NET CHECK INS

continued

Jun 16---cont.

WB8NQW

KD8DWO

W8PSK

NM8W

N8YAE (11)

Jun 23 Traffic: 0

WB8NQW (NCS)

KD8WZK/P

W8PSK

KD8NJW

K8BBK

WD8LEI

KD8RNO

N8VNT

K8OVO

KC8EKT

N1RB

KD8VWU

W8GGS

WD8JWJ (14)

Geomagnetic Storming Reaches Severe Level

from ARRL News

Geomagnetic storming reached the G4 — severe — level at 0513 UTC on June 23. The storm began a day earlier. The NOAA Space Weather Prediction Center (**SWPC**) said more geomagnetic storming, although perhaps not quite as severe, could lie ahead.

“Solar wind conditions remain highly favorable for continued strong geomagnetic storming, with both fast solar wind and strong magnetic fields,” the SWPC said on its website. “Aurora watchers in North America, especially [in] northern tier states of the US, should stay alert.”

In a G4 event, electrical power systems can experience “widespread voltage control problems,” possibly tripping some protective systems. For radio amateurs, HF radio propagation can become sporadic, and satellite navigation degraded for hours at a time. Auroral displays

may be visible as far south as Alabama and California (approximately 45° latitude).

According to the SWPC, the geomagnetic storm began as forecast, quickly ramping up to severe levels. This followed a G4 storm alert on June 22, after the storm slammed into Earth at 1839 UTC.

“This is the same intensity level reached in March 2015 during the St Patrick's Day storm,” the SWPC said. “This is the very early stages of an event that will play out over many hours, with SWPC forecasting continuing storm level intensities into June 23.”

The June 25 prediction is for G1 (minor) to G2 (moderate) geomagnetic activity over the next 24 hours. This means electrical power systems at high latitudes could experience voltage alarms, and long-duration storms may cause transformer damage. HF radio propagation can fade at higher latitudes, and aurora may be visible as far south as Idaho and New York (approximately 55° latitude). ■

Assorted Equipment Available

	Asking price
MFJ 9406X SSB 6-meter Adventure Radio	\$110
MFJ 557 Deluxe Morse Key and Oscillator	\$15
MFJ 464 CW Keyer / Reader with built in Memory Keyer	\$95
MFJ 886 Frequency Counter	\$55
MFJ 209 Basic HF / VHF SWR Analyzer	\$65
MFJ 461 Pocket size Morse Code Reader	\$35
MFJ 1675T Mobile 75 Meter HamTenna Whip	\$10
Bushnell 10 X 50 wide angle Binocular	\$60
<i>Below listed lights are suitable and can be mounted magnetically or permanently for public service / safety operations, construction, and service vehicles.</i>	
Emergency Yellow First Responder lights for dash, rear deck, or roof. <i>Magnetic mounts with cigarette plugs</i>	
Single Flash Strobe <i>Like new-Yellow</i>	\$30
Dual alternating yellow flasher for dash or rear deck mounting	\$25

Comes with 2-yellow lenses along with one blue, one red lens--Like new
Federal square 2-speed revolving dash, deck, or roof magnetic light \$25
Includes yellow dome, one blue dome, plastic eye shield, mount--Excellent condition

To see any of these items, for more information, or to negotiate please call:
Jim Duggan, KD8CIJ, 419-424-0395
Email: rbsnews@att.net

Free Weather Station Available

includes:

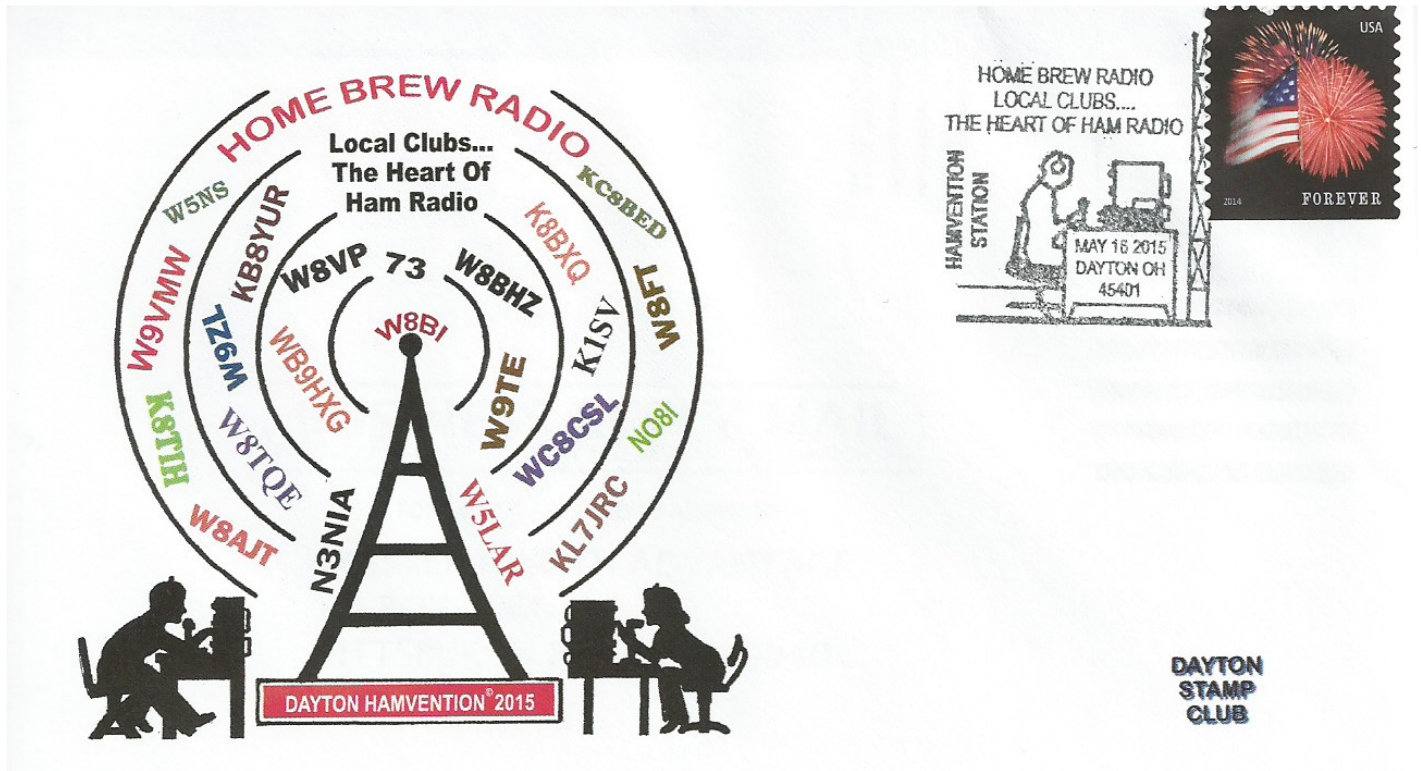
Rain Gauge
Exterior Temperature & Humidity
Anemometer
Wind Direction
Interior Temperature
Interior Humidity
Barometric Pressure
Davis Weather Monitor II:
Wireless Link
RS232 Cable
WeatherLink CD
Requires (1) 9V and (2) LI Batteries required

Has to be removed from gable of garage (4-1/4" lags)

Contact: Rex Klopfenstein-KC8PFP 419-308-8299

K8TIH Appears on New Envelope Cover

The Dayton Stamp Club arranged to have the USPS issue a new commemorative stamp cancellation for the 2015 Dayton Hamvention. Several months ago, they inquired whether WCARC would be willing to have our call letters on the new issue "first-day cover". Below is a copy of how it turned out. Our thanks to Mr. Howard Smith of the Dayton Stamp Club for making it all possible. ■



Free Electronics Course

I have a 1955 DeVry Technical Institute, Electronics Course that I acquired last summer and would like to hand off to any interested person. It's about 100 pamphlets. You can have it at no cost. If you're interested email me at KD8RNO@gmail.com.

Lynn Wineland [KD8RNO]

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