

CQ Chatter

JULY 2013

VOLUME B13 • ISSUE 5

WOOD COUNTY AMATEUR RADIO CLUB

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

Minutes **WCARC Meeting** **June 10, 2013**

minutes courtesy of WB8VUL

Meeting opened at 7:30 pm with Pledge of Allegiance, presided over by Vice President, Bob, WB8NQW,

Minutes of last meeting and Treasurer's report accepted.

Old Business:

Discussion of Field Day activities at the Wood County Historical Museum with responsibilities assigned to specific individuals. Set up will begin at noon on Saturday and operation will continue as long as members wish to man the equipment. Food will be handled by local commercial establishments, but drinks are the responsibility of each individual. The Club will provide a cooler and ice for storage.

New Business:

Phil, W8PSK, and Steve, K8BBK, have diagnosed the intermittent audio output problem on the 440 machine. Jim, K8JU, will begin a search for needed repair parts. Along with Chuck, WD8ICP, they are actively working on the long-running repeater emergency power problem. The Technical Committee is to be commended for their diligence.

Meeting Adjourned at 8:07 pm. ■

NEW USER ON THE 903 MHZ BAND

from AR Newsline

According to the ARRL, a portion of the 902 to 928 MHz or 33 centimeter band may become less useful to radio amateurs in urban areas as a result of a recent FCC Order. The FCC as given Progeny LMS, LLC permission to begin commercial operation of its multilateration location and monitoring service known as an M-LMS in the upper portion of the

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Net Check Ins

May 14

K8OVO (NC)
KG8FH
WB8ABY
KC8EKT
WB8NQW
KD8NJW
W8PSK
K8BBK
KB8SKE (9)

May 21

WB8NQW (NC)
K8BBK
K8OVO
WD8JWJ
KD8NJW
KG8FH
KD8RNO
WB8ABY
N8YAE
KD8PCQ
WD8ICP /M bike
(11)

May 28

K8OVO (NC)
K8BBK
WB8NQW
KG8FH
KD8RNO
W8PSK
WB8ABY
N8YAE (8)

Brain Teasers

1. An SWR bridge reads 2:1 for a transmission line/antenna from a 50Ω xmtr. What possible impedance values does the line have?
 - a.) 50Ω and 100Ω
 - b.) 50Ω and 25Ω
 - c.) 25Ω and 100Ω
 - d.) 100Ω and 200Ω
2. What possible resistances can you get from a $1 \text{ k}\Omega$ and a $3 \text{ k}\Omega$ resistor?
 - a.) 1, 3, 4 and 0.75 kilohms
 - b.) 1, 3, 2 and 0.67 kilohms
 - c.) 1, 3, 4 and 1.33 kilohms
 - d.) 1, 3, 2 and 1.50 kilohms
3. A xmtr draws 21 A at 12 Vdc on voice peaks. What is the peak power drawn?
 - a.) 252 mW
 - b.) 25.2 W
 - c.) 2520 W
 - d.) 252 W

Over-the-horizon RADAR on the HF bands

from ARNewsline

The latest Amateur Radio Union Monitoring System Region 1 newsletter reports a United Kingdom military station identified as STANAG 4285 station has been heard on the 20 meter band. Reports are that the station which is believed to be in Norwich, England has been on 14.236.8 Megahertz. What action taken to get it to move is unknown.

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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		all modes
Jul 6-7	<i>0000 to 2400 Z</i>	160 m to 10 m
Venezuela Ind. Day `test		all modes
Jul 6-7	<i>1100 to 1059 Z</i>	80 m to 10 m
DL DX RTTY `test		RTTY
Jul 20-21	<i>1800 to 2100 Z</i>	6 m to 2 m
CQ WW VHF `test		all modes
Jul 20-21	<i>1800 to 0600 Z</i>	80 m to 10 m
North American QSO Party		RTTY
Jul 27-28	<i>1200 to 1200 Z</i>	80 m to 10 m
IOTA Centenary `test		CW/SSB
Jul 27	<i>1500 to 1500 Z</i>	80 m to 10 m
Portuguese Navy Day		CW/SSB
Jul 27-28	<i>1600 to 2000 Z</i>	80 m to 10 m
New Jersey QSO Party		all modes

radar---from p. 2

Also in the newsletter DGZ0JBJ reported during May no less than 11 Over The Horizon radar systems have been heard on 20 meters, with 30 on 10 meters and an almost unbelievable 65 of these radar devices heard and logged on the 15 meter band. The newsletter says that these figures do not include

the numerous frequency jumping Iranian Over The Horizon radars in that nation. You can read the entire monitoring service intruder report on the web at:

tinyurl.com/hamband-intruder-alert.

It's a real eye opener for those who are new to HF and not quite certain of the source of the noise that may be causing harmful interference to a QSO. ■

Jun 4

WB8NQW (NC)
 KD8SKE
 KD8NJW
 K8BBK
 WD8JWJ
 W8PSK
 KG8FH
 WB8ABY
 N8VNT
 KD8RNO
 WD8ICP
 K8OVO
 KC8EKT
 N8YAE
 WB8VUL
 N8PYA
 KD8SKF
 KD8PCQ (18)

Jun 11

K8OVO (NC)
 K8BBK
 WB8NQW
 W8PSK
 KD8SKE
 N8VNT (6)

Jun 18

WB8NQW (NC)
 WB8ABY
 K8OVO
 W8PSK
 WD8ICP
 KD8NJW
 KG8FH
 KD8RNO
 K8BBK
 N8YAE
 KC8EKT (11)

TMRA SEEKS FM PRIVILEGES FOR TECHS ON 10 METERS

from ARNewsline

The Toledo Mobile Radio Association has filed a Petition for Rule Making with the FCC asking for increased voice privileges for Technician Class license holders in the 10 meter band. In its request the group is asking that Technician class privileges to include 29.520 MHz to 29.700 MHz which covers the gentlemen's agreement repeater sub band on 10 meters.

Tony Everhardt, N8WAC, is with the Club's Technical Committee. He says that the petition was the result of the club considering the installation of a 10 meter repeater:

N8WAC: "During the talks of a 10 meter repeater I suggested that if we put up a 10 meter repeater just the General class and higher can use that which doesn't benefit the Technicians. This was a few months ago and the more I thought about it the less it made sense that they (Technicians) do not have FM privileges. They can talk world wide from 28.300 to 28.500 MHz but they are not able to use the FM portion of the band."

So Everhardt brought the matter up to the clubs Technical Committee and the concept of Tech's on 10 meter FM was warmly received:

N8WAC: "I brought up to the Technical Committee the suggestion of filing a Petition and the Technical Committee was all for it. So the Committee brought it up to the membership at the monthly meeting and it was a unanimous decision to file the petition."

In its rule making request the Toledo Mobile Radio Association argues that the current FCC rule that limits both Novice and Technician Class operators to 28.000 MHz to 28.500 MHz is not in keeping with the reality of today. It notes that

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WCARC Weekly Net

Tuesdays at 2130 EDST

(0130 Z)

147.18 MHz 67 Hz PL

Net Control Roster

Jun	25	N1RB
Jul	2	K8OVO
Jul	9	WB8NQW
Jul	16	N1RB
Jul	23	K8OVO
Jul	30	WB8NQW
Aug	6	N1RB

TMRA---from p. 4

with linking of various repeaters, the Internet Radio Linking Project and Echolink it feels that Section 97.301 (e) which allows the Technician class license privileges on the 10 meter band only from 28.000 MHz to 28.500 MHz is outdated.

The bottom line of the Toledo Mobile Radio Association rule making request is that its time to bring Technician voice privileges on 10 meters up to date. Also to bring them in line with the technology and the reality of ham radio in the 21st century. ■

NEXT MEETING

BREAKFAST MEETING

Saturday, July 6th

TIME: 9:00 am

PLACE:

Frisch's Restaurant

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

July Hamfests

Jul 13 Indianapolis ARA-Indianapolis Hamfest, Marion County Fairgrounds, Indianapolis, IN. Contact Bill, K9YDO, (317) 261-6658.

e-mail: k9ydo@comcast.net

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

Jul 20 GM ARC-Annual hamfest, Trinity Lutheran Church, Utica, MI. Contact Bobby, N8CY, (248) 346-2733.

e-mail: n8cy@arri.net

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

Jul 20 Northern Ohio ARS-Annual hamfest, Lorain County Community College, Elyria, OH. Contact Darlene, KA8VTS, (216) 398-8858.

e-mail: dohman@roadrunner.com

web: <http://www.noars.net>

Jul 21 Van Wert ARC-Annual hamfest, Van Wert County Fairgrounds, Van Wert, OH. Contact Stephen, WA8WKF.

e-mail: techserve@embarqmail.com

web: <http://w8fy.org>

Aug 3 Voice of Aladdin ARC-Great Lakes Division Convention and Columbus hamfest, Aladdin Shrine Center, Columbus, OH. Contact Barry, KC8SXG, (614) 876-3099.

e-mail: kc8sxxg@arri.net

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

Dayton Hamvention Attendance Holds Steady

from ARRL Letter

The [Dayton Hamvention website](#) has announced that 24,542 people attended Hamvention® 2013, approximately the same as last year's attendance. The Dayton Amateur Radio Association ([DARA](#)) has sponsored

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new user---from p. 1

33 centimeter band. According to the regulatory agency, Progeny's location service is designed to operate using approximately 4 megahertz or about one-half of the M-LMS portions of the band between 919.750 and 927.750 MHz where the company holds its licenses.

In its June 6th release, the FCC stated that Progeny is deploying a wide-area positioning system to provide more precise location services in areas where Global Positioning System and other existing services may not work effectively. This is particularly true of indoor locations or in urban canyons.

The FCC opened the 33 centimeter band to ham radio on a secondary basis in 1985, provided hams did not interfere with the Automatic Vehicle Monitoring service, which the Commission subsequently expanded into the M-LMS. While M-LMS operations, at least on paper, have a higher priority than unlicensed Part 15 devices on the band, Progeny had to demonstrate through field testing that its network would not cause unacceptable levels of interference to such Part 15 devices as cordless telephones and baby monitors. This was a result of an FCC policy to promote co-existence in the band, while not elevating Part 15 devices to co-equal status with M-LMS systems.

The FCC says that Part 15 devices will adapt to Progeny's opera-

tions because they are designed for operation in an interference environment. However the effect on ham radio, especially any attempts at weak signal operations will likely be hampered severely by this new entry into the band. ■

Dayton---from p. 6

Hamvention since 1952. Originally called the Southwestern Ohio Hamvention, the inaugural event, held in March in downtown Dayton, attracted 600 attendees -- twice the number anticipated. Hamvention attendance peaked at 33,669 in 1993, before the 1996 change in date from April to May. While attendance has fluctuated over the years, Dayton Hamvention has grown to international proportions, attracting members of the worldwide Amateur Radio community each spring. The next Dayton Hamvention, which takes place May 16, 17 and 18, 2014. ■

MOON BOUNCE FROM ANTARCTICA TO ENGLAND

The exploits of Craig Hayhow, VK0JJJ, in bouncing radio signals off the moon from Antarctica has been written about in the Australian Antarctic Division science newsletter. VK0JJJ achieved a 742,000 kilometer hop when he made an EME contact with Peter Taylor G8BCG at Cornwall in England, on May 4th. Two nights later he contacted Bo Nilsson, SM7FJE, in Sweden through another EME contact. ■

Jeff, K8JTK, at the console of W1AW



On a recent visit to Connecticut, the WCARC webmaster, Jeff, K8JTK, was able to get in some operating time at the ARRL Memorial station, W1AW. Jeff is also to be congratulated on receiving his MBA degree from Cleveland State Univ. this spring. Way to go, Jeff!



Repeater Power with Backup Rewired



Seen in the left picture is one of the Technical Committee members, Phil, W8PSK, installing a new 12V power system with smart battery backup for repeater receiver, controller and APRS units in the Offenhauer Penthouse. A detail of the set up is shown on the right.



FOR SALE

HEATHKIT SB-102 w/

matching p.s. and spkr

asking \$200 OBO

contact: Mike

e-mail:

hmmaier59@hotmail.com

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

