

CQ CHATTER

FEBRUARY 2024

VOLUME B23 • ISSUE 12

WOOD COUNTY AMATEUR RADIO CLUB

President	KG8FH	<u>Jeff Halsey</u>
Vice President	WE8TOM	<u>Tom Leingang</u>
Secretary	N1RB	<u>Bob Boughton</u>
Treasurer	KD8NJW	<u>Jim Barnhouse</u>
Board Members	WB8NQW/KE8QGV	Bob Willman/Roger Weith

Wood County Skywarn Training

The 2024 Skywarn Training session will be held on Monday, March 18, 2024, from 6:00 PM to 8:00 PM. The location is:

Bowling Green Veterans Memorial Building

**520 Conneaut Ave (City Park)
Bowling Green, OH 43402**

There will be a table set up for Wood County ARES/WCARC to present information to attendees. This is an important preparatory meeting to get ready for the spring storm season. It is a good opportunity for you to learn something new about the severe thunderstorms/tornadoes that usually pop up in NW OH. ■

TMRA Fest Is Back

After a hiatus of several years, the Toledo Mobile Radio Association (TMRA) hamfest has returned. The event will be held at Owens Community College Student Health and Activity Center, 30335 Oregon Rd., Perrysburg, as in the past. The date is: Sunday, March 17th, from 8:00 AM to 2:00 PM.

Admission is \$10.00 and tables are \$20.00. As usual, parking is free and there are numerous door prizes to be awarded. For further information, consult: www.w8hhf.org. To apply for a table(s), send a request for an application form to wd8mxr@gmail.com. Food service is also provided. Come on out and have a few eyeball QSOs with local hams. ■

Net Check Ins-I

Jan 2 Traffic: 0

KG8FH (NCS)
KE8CVA
KC8EKT
WD8LEI
KD8NJW
WB8NQW
N1RB
KD8RNO
WE8TOM
KD8VWU
WD8ICP
KE8WTG
KE8QGV (13)

Jan 9 Traffic: 0

WB8NQW (NCS)
WE8TOM
KE8WTG
KD8VWU
WD8LEI
WD8LIC
KD8RNO
KD8NJW
N1RB
KE8CVA
KC8EKT
KG8FH (12)

Jan 16 Traffic: 0

N1RB (NCS)
KE8WTG
KD8RNO
WE8TOM
KD8VWU

Brain Teasers

1. What electrical parameter is controlled by a potentiometer?
 - a.) inductance
 - b.) resistance
 - c.) capacitance
 - d.) field strength
2. In general, what happens as the frequency of a signal passing through coaxial cable is increased?
 - a.) the characteristic impedance decreases
 - b.) the loss decreases
 - c.) the characteristic impedance increases
 - d.) the loss increases
3. What is an advantage of using a properly mounted $5/8$ wavelength antenna for VHF or UHF mobile service?
 - a.) it has a lower radiation angle and more gain than a $1/4$ wavelength antenna
 - b.) it has very high angle radiation for better communicating through a repeater
 - c.) it eliminates distortion caused by reflected signals
 - d.) it has 10 times the power gain of a $1/4$ wavelength design

February Contests

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

Feb 3-4	<i>0000 to 2359 Z</i>	160 m to 2 m
Vermont QSO Party		all modes
Feb 3-4	<i>1200 to 1200 Z</i>	160 m to 10 m
European Union DX 'test		CW/SSB
Feb 3	<i>1400 to 2359 Z</i>	160 m to 10 m
Minnesota QSO Party		all modes
Feb 3-4	<i>1600 to 2359 Z</i>	160 m to 10 m
British Columbia QSO Party		all modes
Feb 10-11	<i>1200 to 1200 Z</i>	160 m to 10 m
PACC (Netherlands) DX 'test		CW/SSB
Feb 17-18	<i>0000 to 2359 Z</i>	160 m to 10 m
ARRL Int'l DX 'test-CW		CW
Feb 24-25	<i>0600 to 1800 Z</i>	160 m to 10 m
REF (France) DX 'test-SSB		SSB
Feb 24-25	<i>1300 to 1300 Z</i>	80 m to 10 m
UBA (Belgium) DX 'test-CW		CW
Feb 24-25	<i>1500 to 0159 Z</i>	160 m to 10 m
South Carolina QSO Party		all modes
Feb 25-26	<i>1500 to 0100 Z</i>	80 m to 10 m
North Carolina QSO Party		all modes

Net Check Ins-II

Jan 16 *continued*

WB8NQW
KD8NJW
KE8CVA
KC8EKT
KG8FH
WD8ICP
WD8LEI
N8VNT (13)

Jan 23 *Traffic: 0 (NCS)*

KG8FH
KE8CVA
WD8ICP
KD8NJW
WB8NQW
KE8QGV
KD8RNO
WE8TOM/M
N1RB
KD8VWU
KE8NEC
KE8WTG (12)

Jan 30 *Traffic: 0 (NCS)*

KD8NJW
KG8FH
KC8EKT
KE8NEC
WB8NQW
WE8TOM
KD8RNO
N1RB
KD8VWU
WD8ICP (10)

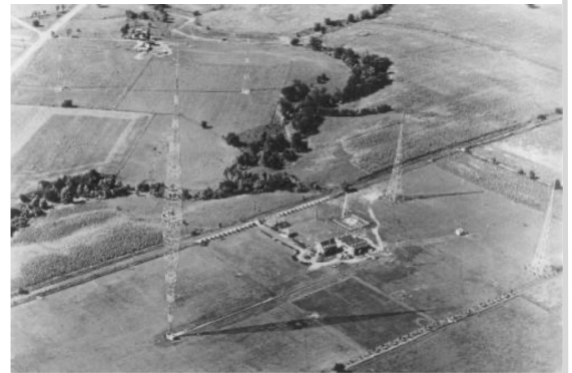
Brain Teaser answers: (T) 1-b, 2-d 3-a

How To Operate A 500KW Transmitter

Al Williams Hackaday

Crosley was a famous name in radio for more than one reason. The National VOA Museum of Broadcasting has a video telling Powel Crosley Jr.'s story, and the story behind the [500 kW WLW transmitter](#).

WLW was an AM broadcast station often called the nation's channel since its signal covered most of the United States. The first Crosley station was identified at 8CR, running 20 watts from Crosley's living room. Quite a modest start! By 1922, he had moved to his family business location along with 500 watts of output. Over the years, WLW got more powerful until it was finally a 500 kW giant.



800 ft double "diamond" antenna at WLWO



rhombic antenna supports for short wave at VOA

Along the way, WLW had several firsts, including the first remote transmitter. The 50 kW transmitters are huge. The video also covers how Crosley made inexpensive radios including crystal radios and inexpensive tube sets.

continued on p. 6

WCARC Weekly Net

Tuesdays at 2100 all year

147.18 MHz 67 Hz PL

Net Control Roster

<i>Feb</i>	<i>6</i>	<i>WB8NQW</i>
<i>Feb</i>	<i>13</i>	<i>N1RB</i>
<i>Feb</i>	<i>20</i>	<i>KG8FH</i>
<i>Feb</i>	<i>27</i>	<i>KD8NJW</i>
<i>Mar</i>	<i>5</i>	<i>WB8NQW</i>
<i>Mar</i>	<i>12</i>	<i>N1RB</i>

NEXT MEETING

Business Meeting

Monday February 12

TIME: 7:30PM/7:00EB

PLACE:

**Sheriff's Training Room
E. Gypsy Lane Rd. &
S. Dunbridge Rd.
Bowling Green, OH**

10 meter Nets

Informal SSB group meets

Sunday @ 20:30 local on

28.335 MHz

Informal CW group meets

Tuesday @ 20:00 local on

28.050 MHz

Fusion Net

Thursday

@ 19:30 local

on 442.125 MHz

Wires-X Operators

welcome

Informal net

Have You Ever Heard of 10-10?

With the Sunspot Cycle on the rise, activity on the higher frequency HF bands is increasing. A very active advocate group for activity on ten meters is the Ten-Ten International Net, or 10-10 for short. It is an organization of amateur radio operators dedicated to maintaining high levels of amateur radio communications on the 10-meter amateur band (28.0-29.7 MHz). Established in 1962, 10-10 has grown continuously since that day, with some ups and downs according to the numbers of sunspots and the openness of the band. As you read this, the number of 10-10 numbers issued to members is over 77,000. 10-10 would welcome your membership in the organization if you have an amateur radio license with 10-meter privileges.

10-10 is a volunteer organization with no paid officers. Although 10-10 does contract for certain services to ensure that each member receives his or her quarterly issue of *10-10 News*, the 30+ page journal of 10-10 activities, the real work of providing services for members falls on the shoulders of dedicated volunteers.

Mission Statement

10-10 offers the 10-meter enthusiast the opportunity to share in a wide variety of activities internationally, not the least of which is meeting new and old friends. By

keeping the band active through participation in 10-10 nets, QSO parties, and certificate collection, 10-10 offers both satisfaction and challenges, while promoting learning and courteous operating practices. The combination of on-the-air activities, awards, a bi-annual convention, and the *10-10 News* creates an unusually strong bond among 10-10 members.

Interested?

Simply go to: ten-ten.org and select the "Membership" option from the menu bar at that top of any page. Information about application and the "Frequently Asked Questions" sections are there to further assist you. Web site registration is for those who currently hold a Ten-Ten Number. You must apply for membership prior to registering for the web site. The majority of the web site is available to the public with the exception of member only areas. ■

Kick-off Banquet Well Attended

The annual WCARC kick-off banquet was held on Monday, January 8, at the Country Farmhouse restaurant in Wayne. Attendance was up from previous years, with 20 people (see photos on page 8).

In a departure from previous years, the restaurant's full menu was available so that everybody was able to choose their favorite. Needless to say, the meal was enjoyed by all. ■

February Hamfests

February 17 Livonia ARC Swap-n-Shop. Monaghan Banquet Center, Livonia, MI
web: www.livoniaarc.com/larc-annual-swap-and-shop

March 10 Northern Ohio ARS hamfest. Lorain County Community College, Elyria, OH
web: www.noars.net

transmitter from p. 4

From the technical point of view, these old tubes with 100,000-watt plate dissipation are truly amazing. There were several of them in the 50 kW transmitters.

It is hard to imagine that the output would rise by a factor of 10 over the years. The transmitter



control panel at WLW

used a DC generator that produced 4,000 amperes just for the tube filaments!

In a way, it was vertical marketing — produce programming and match it with inexpensive receivers to listen to the programming. This video is a great look back at a grand radio station. We've seen [a tour of WLW](#) before, though. When AM was king, there was a lot of work on making sure stations didn't [interfere with each other](#) and that clear channels could cover most of the country. ■

***IT'S TIME TO
RENEW YOUR
MEMBERSHIP***

**Dues Payable to:
WCARC**

P. O. Box 534

**Bowling Green, OH
43402**

Senior/Student:	\$10
Regular:	\$15
Family:	\$20

Attendees at Kick-off Banquet

photos courtesy of WD8LIC--all captions L to R



WE8TOM and WD8LEI



XYL Deb & KG8FH and Gary Border



XYL Bev & KD8NJW, N8MSU, KC8IFW, N1LB, N1RB



XYL Robyn & KE8WTG



Debbie Smith & KE8CVA, WB8NQW & XYL Janette

The Livonia Amateur Radio Club



Swap-n-Shop

SATURDAY

February 17, 2024

Sale hours: 8:00am-12:00pm



ARRL Sanctioned Hamfest

BUY | SELL | TRADE

- Amateur Radio Gear
 - Computers
 - Electronics
 - Antennas
- Test Equipment
- Ham shack accessories and more!

MONAGHAN BANQUET CENTER
19801 FARMINGTON ROAD
(north of 7 Mile)
LIVONIA, MI

Door Prizes from ARRL
and

α **ALPHA ANTENNA®**

- \$100 Cash Grand Prize! •

ADMISSION: STILL ONLY \$5!

(cash @ door)

Admission ticket pre-sales are available only to vendors/sellers with advance table purchase, visit website for reservation info.
Same-day tables *subject to availability*

Talk-in: K8UNS LARC Repeater
145.350 PL100Hz

ADVANCE TABLE SALES, INFORMATION:

<https://livoniaarc.com/larc-annual-swap-and-shop/>

email: swap@livoniaarc.com

voice: (734) 648-6453

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

