



FOUNDED 1947

WEST PARK RADIOPS



LOG



Web: <http://www.westparkradiops.org>

Email: w8vm-<at>-arrl.net

CLUB'S W8VM SKCC #12111

Our Nets 147.36 (107.2 PL) Mon/Fri 8 p.m.

February – March 2022
VOL. LVII No. 2

2022 ELECTED CLUB OFFICERS

President
Glenn Williams AF8C
(440) 934-5566
Vice President
Karl Beckman WA8NVW
(440) 234-4839
Secretary
Open

Treasurer
Ann Wadsworth KA8ZEP

Fifth Board Member
Stephen Kinford N8WB
(216) 702-8384

COMMITTEES

FIELD EVENTS COMMITTEE - OPEN

Safety Officer
OPEN

License Trustee
N8WB

ARRL VE'S
AF8C, N8CX, N8WB, W8MET

ARTICLES SUBMITTED
--

ANTENNA GURU
W8PN

CLUB AWARDS MGR
OPEN

CONTESTS, SATELLITES
N8WS and N8WB

DX REPORTER
N8WS

8TH AREA BUREAU LETTER MGR.
AF8C (8V)

PROGRAMS
KC8FOS and AF8C

EDITOR, WEBMASTER
AF8C

LABELS DATABASE
N8CX

WEST PARK EVENTS *

*Subject to change

During the Covid crisis we have held extra Friday night 8 p.m. 2m nets. We thank the Northern Ohio DX Association for the use of their repeater, 147.36+ (107.2)

These substitutes for actual on site first and third Friday meeting nights at TRI_C, along with regular Monday nets, are:

Feb. 4, 7, 14, 18, 21, 25, 28 - 2M NET*
Feb. 11* - MEETING ON ZOOM 7:30 p.m.*
Mar. 4, 7, 11, 14, 18, 21, 25, 28 - 2M NET*
Mar. 18* - MEETING ON ZOOM 7:30 p.m.*

But when TRI-C opens up in the spring we plan to get back to on-site meetings.

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Inventor

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CONTESTS AND EVENTS

- de WA7BNM & ARRL

Feb 5 No. American Sprint CW
Feb 12 CQ WW RTTY WPX
Feb 19 ARRL Int.DX Contest CW
Feb 25 CQ 160M Contest SSB
Mar 5 ARRL Int.DX Contest SSB
Mar 12 Stew Perry Topband Ch
Mar 20 Run for the Bacon QRP
Mar 26 CQ WW WPX Contest SSB

SOAPBOX

West Park Radiops technical interests include recent new amateur radio technologies, new antenna projects, contesting, and DX, to name a few.

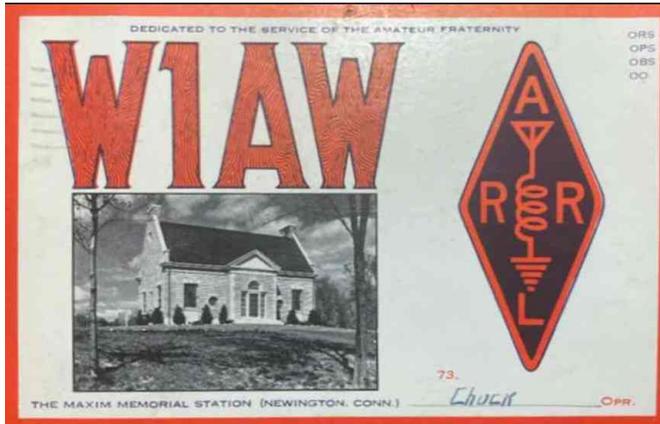
Our Public Service events are suspended.

Our Monday and Friday night nets are on the NODXA's 147.36+ (107.2 PL) repeater at 8 p.m. Listen or check in. Join the fun.

This document was created using LibreOffice, a PDF creator, and UBUNTU LINUX. Use of Microsoft products was limited to as few applications as possible.

THANKS...

The members of West Park Radiops thank the 2021 officers for their service to the club.

QSL CARD FROM HISTORY...

QSL card for a QSO on February 5, 1953 for a QSO between Don Pearson, W8IDM, and "Chuck" Bender, W1WPR, at the ARRL. The QSO was on 14.100 MHz at 10:08 a.m. with Don in a college dorm at the Michigan College of Mining and Technology.

WEST PARK PUBLIC SERVICE...

For many years West Park Radiops volunteers have helped LCAC volunteers sort and deliver articles to the needy. As an ARRL Special Service Club in past years, our members assisted in this activity three times every year. During COVID-19 those activities have been suspended.

RECENT NETS & TALK...

Club nets have switched over to only using 147.36+ (107.2 PL) at **8 p.m.** local on Mondays, and Fridays during the COVID-19 crisis. Many interesting discussions occur and often with no prior planning. However, you must have a clear shot at the repeater's receiving antenna to use an HT. Please consider your 2m antenna systems and how they perform for the net.

SAD LAD...

I called myself on FT8.
But I didn't call back.
I was tempting fate.
Enough power I did lack.
The S/N was -34.
The sun had set.
For this DX I had sworn.
That it was good to get.
-de AF8C

THE FCC'S POSITION AND SOME VE EXAM NEWS...

Email has been received from our Great Lakes Division Director Dale, Williams, WA8EFK. I was asking Dale about some licensing questions. Per Dale, the FCC has had many personnel changes and at this time no one there is considering making any changes to the licensing structure in Part 97. That means no new changes in license classes. "Novices, Tech-Plus and Advanced licenses will stay as such until they expire or the licensees expire."

Recently some email has arrived describing changes to how VE Exams may be performed in light of the continuing presence of Covid-19 protocols. Now VE exams may be held virtually via Zoom or other desktop conferencing software.

Zoom Webinar on Amateur Radio/AUXCOM support to DOD...

(from the ARRL Web news)

02/10/2022

At 10 at 8 p.m. EST the US Army Network Enterprise Technology Command (NETCOM) is holding a Zoom call to talk amateur radio and AUXCOM support to the US DOD. NETCOM will discuss upcoming DOD exercise opportunities for 2022, where outreach to the amateur radio/AUXCOM community will be a primary training objective for use of the five 60-meter channels and the concept for the types of amateur/AUXCOM outreach. The Zoom link info: 837 8115 4615 with pass code 670665. See the ARRL notice for telephone-only dial-in numbers.

W.A.S. ON 222 MHz ...

(From the ARRL Web pages)

01/12/2022

Operators Completing WAS on 222 MHz

Until very recently, it had been some 35 years since the most recent Worked All States (WAS) was awarded on 1.25 meters. Former ARRL President Joel Harrison, W5ZN, in Arkansas, and Marshall Williams, K5QE, in Texas stand at the vanguard of a new generation of VHF enthusiasts aiming at earning the Worked All States (WAS) Award on 222 MHz (1.25 meters). Harrison was issued WAS #11 on 1.25 meters on December 27, 2021, while Williams was issued WAS #12 on January 11, 2022. The ARRL has validated the 222-MHz WAS application of John Swiniarski, K1OR, for WAS # 13.

“Since the 1980s, a combination of the old guard and a new group have been pursuing this quest,” ARRL Radiosport Manager Bart Jahnke, W9JJ, said. Harrison worked Tom Worthington, NH6Y, in Hawaii, for his 50th state, while Williams followed close behind, working James Colson, K7KQA, operating EME portable from Oregon, for his 50th state.

Jahnke said the honor of being the very first 1.25-meter WAS recipient went to Terry Van Benschoten, W0VB, in 1983, earning what was then “220 MHz WAS.” Nine others joined the ranks between then and 1987.

“In recent years, several stations have been working hard toward joining the ranks of WAS holders on this ITU Region 2-only band,” Jahnke said. Other stations that have recently worked 50 states and waiting on the last confirmations include K1WHS, WA4NJP, and K1OR. N9HF and N0AKC are nipping at their heels. No activity on 1.25 meters was available in some of the last few needed states, and portable operations by KA6U, KB7Q, K7KQA, and N7GP made contacts possible.

NON-CALLS ON THE AIR...**D1DX**

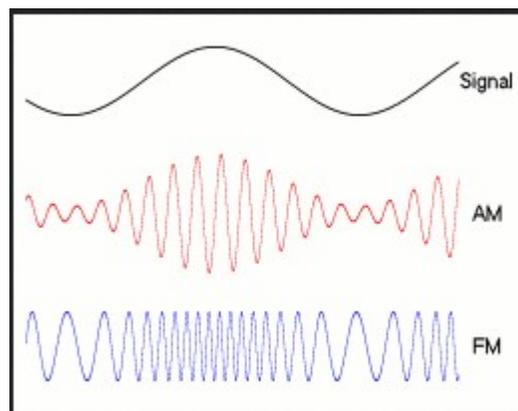
D1DX is a call sign found on FT8 lately. Some checking on the Internet will show that there is no D1 prefix in the DXCC list.

Donetsk is an eastern province of Ukraine, presently occupied by Russian troops, as part of a civil war in that area. The Donetsk republic is regarded by Ukraine as a secessionist state, and while supported by Russia, is not recognized by most of the nations of the world as a legitimate entity. I suspect that includes the ITU, making the legitimacy of the call sign somewhat sketchy at best.

< <https://www.youtube.com/watch?v=YLw611h1b7U> >

AM AND FM WAVEFORMS...

< <https://en.wikipedia.org/wiki/Radio> >



The above waveform display is actually a cut of a GIF file that demonstrates in a video how the amplitude of AM radio varies with the modulating signal, but FM radio does NOT have a varying amplitude.

< <https://en.wikipedia.org/wiki/File:Amfm3-en-de.gif> >

UPCOMING DX FOR YOU...

(Courtesy of the NG3K website)

Call, Start Date,, End Date, DXCC Entity

6W7,2022 Jan01,2022 Feb22,Senegal
 PJ7,2022 Jan04,2022 Feb06,Sint Maarten
 VP2MDF,2022 Jan09,2022 Feb18,Montserrat
 J68HZ,2022 Jan12,2022 Feb08,St Lucia
 5B4AQC,2022 Jan28,2022 Feb28,Cyprus
 PZ5KV,2022 Feb01,2022 Feb10,Surinam
 J8,2022 Feb01,2022 Feb14,St Vincent
 PJ2,2022 Feb02,2022 Feb12,Curacao
 Z2,2022 Feb03,2022 Feb20,Zimbabwe
 TU5PCT,2022 Feb04,2022 Feb13,Ivory Coast
 6W,2022 Feb06,2022 Feb28,Senegal
 8Q7AH,2022 Feb08,2022 Feb15,Maldives
 V4,2022 Feb08,2022 Mar01,St Kitts & Nevis
 JD1,2022 Feb12,2022 Feb15,Ogasawara
 8Q,2022 Feb12,2022 Mar08,Maldives
 J88PI,2022 Feb24,2022 Mar08,St Vincent
 KP3RE,2022 Feb25,2022 Feb27,Puerto Rico
 PJ7AA,2022 Feb26,2022 Mar26,Sint Maarten
 PJ2,2022 Mar01,2022 Mar17,Curacao
 FO,2022 Mar01,2022 Mar31,Austral Is
 VP5,2022 Mar07,2022 Mar21,Turks & Caicos
 C56DF,2022 Mar09,2022 Mar18,Gambia
 TL8AA,2022 Apr01,2022 Apr15,Central African Rep
 XT2MAX,2022 Apr07,2022 Apr20,Burkina Faso
 TX5N,2022 Apr15,2022 Apr28,Austral Is
 PJ5,2022 Apr26,2022 May04,Saba & Sint Eustatius
 C5B,2022 May27,2022 Jun07,Gambia
 V47JA,2022 Jun16,2022 Jul01,St Kitts & Nevis
 JX,2022 Jun22,2022 Jun27,Jan Mayen
 PJ5,2022 Jul02,2022 Jul09,Saba & Sint Eustatius
 VK9CM,2022 Oct26,2022 Nov03,Cocos Keeling
 3Y0J,2022 Nov01,2022 Nov29,Bouvet Is
 TO9W,2022 Nov30,2022 Dec10,St Martin
 FT8/c,2022 Dec15,2022 Dec31,Crozet

*Copy this as a CSV file for EXCEL.***STICKY LABELS PROBLEM...**

This story is based on recent experience. The use of sticky labels on QSL cards began sometime after the beginning of modern personal computer technology when those dot matrix printers were used with software to print labels on QSL cards to save handwriting time. Well, after a long time, maybe 20 years or so, the adhesive on the labels will go bad and the labels can literally fall off when handled. Get out the ball point pen and write by hand!

TRUCK DRIVERS ON 10 METERS...

I was talking to a Class A truck driver who is a friend of a distant family member. I got a tour of his personal red 2020 pickup truck digital dashboard at night. There were lots of digital “bells and whistles” for discussion. In the process the topic of CB radios in the cab of a big semi tractor. I asked him which manufacturer of CB radio transceivers is the best in his opinion. The recommended company was Stryker. Weeks later I remembered the topic so I looked up those radios on the Stryker website. There were three leading radios. I was amazed to see that two of the three radios are 10M only transceivers. The third one carries the usual set of 11M channels and channels on 10M. Here’s a list of 10M “CB” frequencies or let’s say frequencies between 25.165 MHz to 28.755 MHz. On the Stryker radios I guess you tune by channels every 10 kHz so the starting frequency in 10M is 28.005 and every 0.01 added from there up the band.

https://www.walcottradio.com/help/cb_radio_frequencies.php

Many writeups for CB operating exist on the Web and it seems that the authors don’t really understand amateur radio but they do mention the part about getting an amateur radio license from the FCC.

SQUAWKERS ON FT8...

I don’t know what else to call them. If you listen on the standard 80M FT8 frequency of 3573 kHz (you will have to live with the mode noise every 15 seconds) during the periods when the band is open you can hear in the period around 14 seconds from the start of transmissions a human voice in Upper Sideband mode. One time I heard a man’s voice say “Get your DXCC”. Sometimes it’s a female voice. Many of the bursts are hardly intelligible. I have reported this problem to the ARRL.

Also, recently I tuned in on 3573 kHz on a U.S. based SDR on the WebSDR website. In a Pennsylvania (PA) SDR I was also hearing foreign AM broadcast radio!

So if you set up that SDR on any 1 kHz frequency in the area of 3573 (3565 to 3595) at our local midnight you can possibly hear USB and maybe AM voice. Isn’t this band a primary user band set aside for amateur radio CW and Digital modes.

GEORGE FORBES, INVENTOR....

(from Wikipedia)

<

[https://en.wikipedia.org/wiki/George_Forbes_\(scientist\)](https://en.wikipedia.org/wiki/George_Forbes_(scientist)) >

George Forbes (1849-1936) was a Scottish electrical engineer, astronomer, explorer, author and inventor, some of whose inventions are still in use. From 1891 to 1895, Forbes was consulting engineer on the Niagara Falls hydroelectric scheme. He experimented with using carbon for the brushes in electric motors, rather than wire or gauze and in 1885 took out a patent. Later he sold his American patent rights to Westinghouse Electric for £2,000.

During 1780-1784:, George Adams noticed sparks between charged and uncharged conductors when a Leyden jar (a capacitor) was discharged nearby. During some intervening years various experimenters were noticing or studying action at a distance involved with electrical charges and sparks. That seems to be the first discovery on the trail to the invention of radio communications.

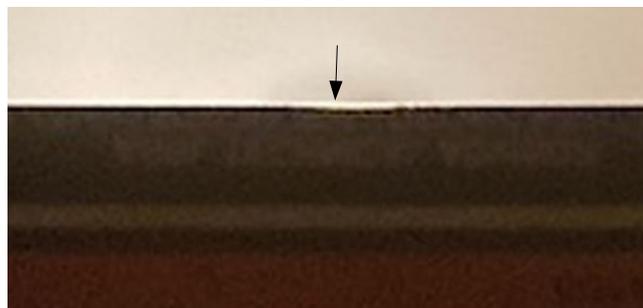
In 1890 French physicist and inventor Edouard Branly did a thorough investigation of metal filings in an evacuated tube and how they are sensitive to electric sparks at a distance. (an effect later to be called the coherer by Sir Oliver Lodge).

In 1892 **George Forbes** suggests Branly's filing tube may react in the presence of Hertzian waves.

In December 1894, in Italy, Guglielmo Marconi conducts experiments, building a wireless telegraph system based on Hertzian waves (radio), demonstrated a radio transmitter and receiver that made a bell ring on the other side of the room by pushing a telegraphic button. Over the next year he worked on adapting experimental equipment into a radio wave telegraphic transmitter and receiver system that could work over long distances. This is considered to be the first development of a radio system specifically for communication.

DIFFRACTION DEMONSTRATION...

For some time I have been mentioning the word “diffraction” on the 2M net as part of a possible way for radio waves to reach the repeater when there is no direct path present. So I decided to set up and photograph a demonstration of what I mean. Here is my propped up QSL card in front of an LED ceiling lamp, where I made sure the actual lamp was covered up and just behind the edge of the card. The circle shows the area expanded in the second image.



The arrow indicates where a “sliver” of light is “creeping” over the edge of the non-conductor paper QSL card, by diffraction. Light is supposed to go in a straight line. But it is effectively curving over the edge of the card. Radio waves could do this over the curve of an intervening hill, or in the case of Melba Steel, VA3PLO, over Lake Erie.

WEST PARK RADIOPS

LOG

PUBLISHED BI-MONTHLY BY WEST PARK RADIOPS AMATEUR RADIO CLUB, INC. ----
A NON-PROFIT SCIENTIFIC AND EDUCATIONAL CORPORATION, FAIRVIEW PARK, OHIO.
MEETINGS: WEST PARK RADIOPS ARC meets the FIRST and THIRD Friday evenings each month at
Cuyahoga Community College West Campus in the Public Safety Training Center, 11000 Pleasant Valley Dr. at 7:30 PM sharp.
But our meetings have been suspended during Covid-19 protocols.
Dues \$15/yr. We welcome anyone interested in amateur radio to our meetings.
We operate Monday night nets on 147.36+ (107.2 Hz) MHz at 8:00 p.m. local time.

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