



FOUNDED 1947

WEST PARK RADIOPS



LOG



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

Email: w8vm-<at>-arrrl.net

SKCC #12111

Our Nets 147.36 Mondays 9 p.m. local

October - November 2017
VOL. LII No. 6

2017 CLUB OFFICERS

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COMMITTEES

FIELD EVENTS COMMITTEE

PUBLIC SERVICE OPEN

License Trustee
N8WB

ARRL VE'S
AF8C, N8CX, N8WB, W8MET, N8OWS

ARTICLES THIS TIME
N8WB

ANTENNA GURU
W8PN

CLUB AWARDS MGR
W8IDM

CONTESTS, SATELLITES
N8WS, N8WB, W8IDM

DX REPORTER
N8WS

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

EDITOR, WEBMASTER
AF8C

LABELS DATABASE
N8CX



WEST PARK EVENTS *

*Subject to change

Oct. 6 - BUSINESS MEETING/FIXIT NIGHT*

Bring your questions or answers to the radio problems of the day/week/month.

Oct. 20 - PROGRAM NIGHT*

To Be Completed

Nov. 3 - BUSINESS MEETING/FIXIT NIGHT*

Bring your questions or answers to the radio problems of the day/week/month.

Nov. 17 - PROGRAM NIGHT*

To Be Completed

Nov. 18 - LCAC FOOD DELIVERIES SATURDAY MORNING

IN THIS ISSUE

Page 2:
President's Thoughts

Club Nets
Public Service

Page 3:

Disaster Assistance
Arecibo Radio Telescope

Page 4:

Upcoming DX
FT8

Page 5:

High Speed CW
RUFZ
Vanuatu & Bali
Sputnik @60

CONTESTS AND EVENTS

- de WA7BNM & ARRL

Oct 7	SKCC Weekend Sprint
Oct 14	Pennsylvania QSO Party
Oct 21	10-10 Int. Fall Test CW
Oct 28	CQ WW DX Contest, SSB
Nov 4	ARRL SS Contest, CW
Nov 11	CQ-WE Contest
Nov 18	ARRL SS Contest, SSB
Nov 18	LCAC Food Drive
Nov 25	CQ WW DX Contest, CW

SOAPBOX

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

For Public Service, we have two LCAC food drive events in late fall. The first one is on November 18.

Our Monday night nets have moved to the 147.36+ (107.2 PL) repeater at 9 p.m. Listen or check in. Join the fun.

This document was created using LibreOffice 5.4.1.2 and a PDF creator. Use of Microsoft products was limited to as few applications as possible.

Prez Sez...

TO BE COMPLETED

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, our members assist in this activity every year. **Our next LCAC opportunity will be on November 18. We can also support other activities on short notice.** In general, radio net activity provide virtual public service practice and keeps our radios in tested operation and weeds out problems.

RECENT NETS & TALK...

Club nets have switched over to only using 147.36+ (107.2 PL). 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. We are on at 9 p.m. local Mondays.

FUTURE PROGRAMS...

The following topics are on the new list for programs: openSPOT, SharkRF, Dxpeditions, Propagation, FT8 and WSPR modes.

FCC OPENS NEW BANDS...

09/15/2017

FCC Opens 630- and 2200-Meter Bands; Stations Must Notify UTC Before Operating

Last March 27, the FCC adopted the 2012 World Radiocommunication Conference (WRC-12) implementation Report and Order (ET Docket 15-99), amending its Amateur Radio rules to — in the FCC's words — “provide for frequency-sharing requirements in the 135.7-137.8 kHz (2200-meter) and 472-479 kHz (630-meter) bands.”

Section 97.313(g)(2) of those rules requires that, prior to starting operation in either band, radio amateurs must notify UTC that they intend operate by submitting their call signs, intended band(s) of operation, and the coordinates of their antenna's fixed location. The new rules do not permit any mobile operation.

“Amateur stations will be permitted to commence operations after a 30-day period, unless UTC notifies the station that its fixed location is located within 1 kilometer of Power Line Carrier (PLC) systems operating on the same or overlapping frequencies,” the FCC said. PLC systems are unlicensed. “This notification process will ensure that amateur stations seeking to operate [on 630 or 2200 meters] are located beyond a minimum separation distance from PLC transmission lines, which will help ensure the compatibility and coexistence of amateur and PLC operations, and promote shared use of the bands.”

Click [HERE](https://utc.org/plc-database-amateur-notification-process/) to access the UTC notification website. <https://utc.org/plc-database-amateur-notification-process/>
The ARRL's new frequency chart is available here: <http://www.arrl.org/graphical-frequency-allocations>

PUERTO RICO ASSISTANCE BY HAMS...

(using tips from various Web sources)
(from the ARRL News)

“Force of 50” Amateur Radio Volunteers Deploying
Throughout Puerto Rico 10/02/2017

More than 20 of the “Force of 50” Amateur Radio volunteers now are deployed in storm-ravaged Puerto Rico as American Red Cross volunteers and wasting no time getting down to business. ARRL CEO Tom Gallagher, NY2RF, said the volunteers, in general, will provide communications for local law enforcement and utility managers; island-to-mainland health-and- welfare traffic, which has been ongoing, and contact with the more remote areas of Puerto Rico, cut off from the capital of San Juan and not heard from since the Hurricane Maria hit on September 20. Thanks to fire officials in Juncos, all Amateur Radio operators and Red Cross volunteers have been guaranteed safe passage, food, shelter, and water at any fire station on the island, if needed.

According to one FEMA official, the White House situation room is extremely pleased and enthusiastic about the service Amateur Radio volunteers are providing in Puerto Rico.

Since the storm struck Puerto Rico, ARRL Section Manager Oscar Resto, KP4RF, and other volunteers have staffed VHF and HF nets at the American Red Cross temporary headquarters, despite damage to their own homes. The net covers nearly two- thirds of the island and has been handling traffic to and from the power company, Autoridad de Energía Eléctrica (Electric Power Authority — AEE), and state and local authorities.

An HF station with WinLink capability and a VHF/UHF station have been set up in the FEMA disaster field office, and volunteers have been reporting in by radio from around the island to post situation reports. Radio operators also will be posted at four power-generation facilities, at the request of the power company. Superacueducto, the water utility, has asked for several radio amateurs to help in reestablishing water flow from Arecibo to San Juan. The volunteers also recruited another ham, a Red Cross volunteer.

(more at the ARRL Web site)

ARECIBO...

Amateur Radio Reports: Arecibo Observatory Dish Sustained Serious Damage from Maria 09/23/2017

Articles on the National Geographic and Space.com websites report that scientists and Amateur Radio operators have confirmed that Puerto Rico’s Arecibo Observatory came through Hurricane Maria largely intact but “with some significant damage.” Universities Space Research Association (USRA), which helps to operate the Observatory, said it learned via “short wave radio contact” that staff and family members sheltering at Arecibo are safe.

“The major structures, including the 300-meter telescope, are intact, though suffered some damage when the atmospheric radar line feed broke off, and falling debris from it punctured the dish in several places,” USRA reported on its website. “Also, a separate 12-meter dish used as a phase reference for Very Long Baseline Interferometry was lost.”

Observatory officials are still assessing the damage, but Jim Breakall, WA3FET, of Penn State, told ARRL that the 96- foot line feed antenna at 430 MHz is “historically the key piece to the observatory.” It’s also the antenna that he and others have used for Amateur Radio moonbounce activities from Arecibo. The Observatory is home to KP4AO.

“To hear that this 10,000-pound key piece to the Observatory fell and hit the 1,000-foot dish is just a huge shock,” Breakall said Saturday. “This antenna was connected to the 2.5 million W 430-MHz radar transmitter that was a key to ionospheric experiments. It is a great loss for sure.”

Angel Vazquez, WP3R — the Observatory’s telescope operations manager — was among the only radio amateurs able to pass along any information; among those he contacted was Princeton University professor and Nobel Laureate Joe Taylor, K1JT. Vazquez is using a generator that, Breakall told ARRL, was not working very well. “Many others have heard about all of this and have come to help relay messages to loved ones and friends to let people know they are okay,” Breakall added.

USRA has reported that the access road to the Observatory is covered with debris and impassable. The National Geographic article said that the Arecibo’s staff had begun to prepare the day before Maria arrived on September 20, but power went down and, not long afterward, telephone service. Power is reported to be out across much of Puerto Rico.

(more at the ARRL Web site)

UPCOMING DX FOR YOU...

(Courtesy of the NG3K website)

Call, Start Date, End Date, DXCC Entity

3B7,2018 Apr10,2018 Apr24,Agalega & St Brandon
 3B8,2017 Oct16,2017 Oct23,Mauritius
 3B9HA,2017 Nov23,2017 Dec12,Rodrigues I
 3D2EU,2018 Feb23,2018 Mar16,Rotuma
3Y0Z,2018 Jan25,2018 Mar14,Bouvet I
 4W6RR,2017 Sep25,2017 Oct10,East Timor
 5H3DX,2017 Nov07,2017 Dec04,Tanzania
 5K0T,2017 Nov11,2017 Nov25,San Andres & Providencia
 5L3BI,2017 Oct31,2017 Nov04,Liberia
 6Y6J,2018 Jan10,2018 Jan23,Jamaica
 8P9,2017 Oct17,2017 Oct25,Barbados
 8P9BT,2017 Nov04,2017 Nov12,Barbados
 8P9JB,2017 Dec13,2018 Jan02,Barbados
 8P9MT,2017 Nov04,2017 Nov10,Barbados
 8Q7BI,2017 Oct07,2017 Oct15,Maldives
 9G5W,2017 Nov20,2017 Nov29,Ghana
 9H,2017 Sep25,2017 Oct09,Malta
 9M0W,2018 Mar10,2018 Mar20,Spratly Is
 9U4M,2017 Nov06,2017 Nov17,Burundi
 A25A,2017 Oct20,2017 Nov05,Botswana
 A52SJ,2017 Oct12,2017 Oct19,Bhutan
 A52SJ,2017 Oct26,2017 Oct26,Bhutan
 A5A,2017 Sep29,2017 Oct08,Bhutan
 C9,2018 May02,2018 May20,Mozambique
 CT9,2017 Oct03,2017 Oct17,Madeira
 CY9C,2018 Aug01,2018 Aug09,St Paul I
 D2TI,2018 Mar01,2018 Mar07,Angola
 E44WE,2017 Oct18,2017 Oct29,Palestine
 E51RAT,2017 Oct08,2017 Oct15,South Cook Is
 FG,2017 Nov05,2017 Nov10,Guadeloupe
 FR,2017 Sep29,2017 Oct10,Reunion
 FS,2017 Nov30,2017 Dec08,St Martin
 FY,2017 Nov26,2017 Dec07,French Guiana
 H40GC,2017 Sep30,2017 Oct20,Temotu
 HC8LU,2017 Nov29,2017 Dec07,Galapagos
 HF0ARC,2017 Sep02,2017 Oct10,So Shetland Is
 J5T,2017 Nov13,2017 Nov25,Guinea Bissau
 J88PI,2018 Jan21,2018 Jan27,St Vincent
JD1,2017 Oct15,2017 Dec15,Minami Torishima
 JW,2017 Nov10,2017 Nov13,Svalbard
 KG4HF,2017 Oct06,2017 Oct20,Guantanamo
 KG4HH,2017 Oct06,2017 Oct09,Guantanamo
 KG4LA,2017 Oct06,2017 Oct13,Guantanamo
KH0,2017 Oct14,2017 Oct22,Mariana Is
KH1,2018 Jun17,2018 Jun23,Baker I
 P4,2018 Jan24,2018 Jan30,Aruba
 PJ7AA,2018 Mar05,2018 Apr04,Sint Maarten
RI1F,2017 Oct04,2017 Oct11,Franz Josef Land
 S2,2017 Oct15,2017 Oct18,Bangladesh
 S2,2017 Oct21,2017 Oct25,Bangladesh
 S79KB,2017 Oct20,2017 Nov01,Seychelles
 S79PT,2017 Sep30,2017 Oct15,Seychelles
 S9CQ,2017 Oct12,2017 Oct21,Sao Tome & Principe

S9CT,2017 Sep30,2017 Oct06,Sao Tome & Principe
 S9YY,2017 Oct01,2017 Oct10,Sao Tome & Principe
 SV5,2017 Oct03,2017 Oct13,Dodecanese
 T2,2017 Oct20,2017 Oct27,Tuvalu
 T32AZ,2017 Oct05,2017 Oct10,East Kiribati
 T8,2017 Oct11,2017 Oct17,Palau
 T88CS,2017 Oct06,2017 Oct10,Palau
 TG9,2018 Jan24,2018 Feb19,Guatemala
 TO2SP,2017 Nov16,2017 Nov30,St Barthelemy
 TX5X,2018 Mar10,2018 Mar17,French Polynesia
 V34AO,2017 Nov18,2017 Nov30,Belize
 V4,2017 Nov08,2017 Nov15,St Kitts & Nevis
 V47JA,2017 Oct15,2017 Nov07,St Kitts & Nevis
 VK9AR,2017 Nov07,2017 Nov10,Australia
VK9CI,2017 Oct10,2017 Oct17,Cocos Keeling I
VK9CZ,2017 Oct22,2017 Nov06,Cocos Keeling
VK9MA,2017 Nov03,2017 Nov16,Mellish Reef
 VK9XGJ,2017 Oct02,2017 Oct19,Christmas I
 VK9XI,2017 Oct02,2017 Oct10,Christmas I
 VP2MDL,2017 Nov06,2017 Nov20,Montserrat
 XT2AW,2017 Sep29,2017 Oct30,Burkina Faso
 XW4XR,2017 Oct12,2017 Oct24,Laos
 YJ0GB,2018 Mar02,2018 Mar19,Vanuatu
 ZA,2017 Oct02,2017 Oct08,Albania
 ZC4MK,2017 Oct27,2017 Oct31,Cyprus SBA
 ZD7VDE,2017 Oct14,2017 Oct21,St Helena

Bold faced lines are some entities listed in the top of the Club Log most wanted list.

FT8...

(from recent ARRL's news on the ARRL Web pages)

FT8 Mode is Latest Bright Shiny Object in Amateur Radio Digital World 08/01/2017

It's still in beta testing, but FT8 — the latest digital bauble to capture the imagination of the Amateur Radio community — has been luring away many of those already using the popular JT65 “weak-signal” mode. FT8 is included in a beta release of WSJT-X, version 1.8.0-rc1. Among its biggest advantages is a shorter transmit-receive cycle, meaning quicker contacts. The notes for the “candidate” release say that FT8 offers “sensitivity down to -20 dB on the AWGN channel.” Contacts are four times faster than with JT65 or JT9, and an entire FT8 contact can take place in about 1 minute.

The new mode is named after its developers, Steven Franke, K9AN, and Joe Taylor, K1JT. The numeral designates the mode's 8-frequency shift keying format. Tones are spaced at 6.25 Hz, and an FT8 signal occupies just 50 Hz. Unlike JT65 or JT9, transmit and receive cycles in FT8 each last about 15 seconds. Like JT65, FT8 requires accurate time synchronization. An auto-sequencing feature offers the option to respond automatically to the first decoded reply to your CQ.

“FT8 is an excellent mode for HF DXing and for situations like multi-hop Es on 6 meters, where deep QSB may make fast and reliable completion of QSOs desirable,” Taylor's release notes assert. (more at the ARRL Web site)

RANDOM NOISE...**HIGH SPEED CW COMPETITION...**

(using tips from various Web sources)
(this from the ARRL news pages)

09/26/2017

Belarus Fields World Champion Team to the 2017 High-Speed Telegraphy Competition

Team Belarus topped the field at the 2017 High-Speed Telegraphy Competition (HST) in Hungary over the September 9-10 weekend. In addition, team member Stanislaw Haurylenka, EW8GS, set a world record in the male category on RufZ XP, call sign recognition competition, with a speed of 943 characters per minute.

The 14th High-Speed Telegraphy World Championships opened September 8 in Esztergom, Hungary. Participants from 19 nations and 3 continents registered to take part in the event. In second place was Team Russia, while Team Romania placed third.

This year's event date was shifted to avoid conflicting with the International Amateur Radio Union Region 1 (IARU-R1) General Conference. The Hungarian Radio Amateur Society (MRASZ) hosted the 2017 HST, which is sponsored by IARU. Hungary was the site of the first HST in 1995.

FROM RUFZ COMPETITION...

<<http://highspeedtelegraphy.com/HST-IARU-Results/Results-RUFZ> >

The best RUFZ-XP competition ever took place at the 14th HST IARU World-Championships on 9, September, 2017 in Esztergom, Hungary. The first 4 places were all over 200,000 points!

Stanislaus Haureylenka, Belarus, EW8GS – 288,671 points with a speed of 943 codes per minute (NEW WORLD RECORD)

Alexandru Mancas, Romania, YO8TTT – 221,500 points - 814 cpm

Goran Hajosevic, Serbia, YT7AW – 201,398 - 814 cpm

Fabian Kurz, Germany, DJ1YFK – 200,473 - 814 cpm

VANUATU ERUPTION...

(10/6/17 23:00 Z)

At the time of this writing, the authorities have evacuated the Ambae Island in Vanuatu (YJ), and the Indonesian island of Bali (YC) as two volcanoes threaten to erupt.

WHERE WERE YOU 60 YEARS AGO?...

(from the ARRL news pages)

10/03/2017

Sputnik 1's 60th Anniversary was October 4

The 60th anniversary of the launch of Sputnik 1, Earth's first artificial satellite, was Wednesday, October 4. The Soviet Union heralded the launch as a national triumph, and the space race between the USSR and the US began. Sputnik 1 was fairly basic — a sphere with four antennas that transmitted a 1-W signals on 20.005 and 40.002 MHz, putting it within the range of nearly any radio amateur, and WWV halted its nighttime 20-MHz transmissions to avoid interfering with the satellite's signal.

The Russian-language Radio magazine earlier had published articles on the proposed telemetry system and intended downlink frequencies. An English-language version subsequently later appeared in QST. The US also had revealed its intention to launch a satellite during the International Geophysical Year 1957 — but the USSR was the only country to do so that year; Explorer 1 was not launched until January 31, 1958.

A 58-centimeter diameter polished metal sphere, Sputnik 1 could be seen from Earth, orbiting the planet about once every 96 minutes. It had no stabilization system. Two aluminum casings bolted together with a seal created an airtight housing for the two transmitters plus temperature and pressure sensors.

Scientists studying it gained information about such things as the density of the upper atmosphere, deduced from orbital drag. The propagation of its signals also helped to better understand the ionosphere. — Thanks to Jim Linton, VK3PC

WEST PARK RADIOPS

LOG

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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.
Dues \$15/yr. We welcome anyone interested in amateur radio to our meetings.
We operate Monday night nets on 147.36 MHz at 9:00 p.m. local time.

<http://www.westparkradiops.org>
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W8VM

