



**INDIAN
RIVER ARC**

P.O. BOX 237285, COCOA
FLORIDA 32923-7285

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SPURIOUS EMISSIONS

JUNE, 2023

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HAPPENINGS

On May 26, 2023, The **Rooster Net** celebrated 24,000 daily sessions on 3.990 MHz. Doug Frothingham, K2IZI (SK), founded the Rooster Net on September 10, 1957. The net has met at 6:00 AM Eastern time every day without any interruptions since, possibly making it the longest-running amateur radio net. Besides its more-than- 65-year existence, the Rooster Net operates without any rules or a traditional club struc-

ture. It depends upon the goodness of the amateur radio operators that make up the group and traditions they have established over the years. On any day, you will likely hear an educational discussion on something from an infinite list of Rooster interests and experiences.

International Lighthouse Lightship Weekend – ILLW This year

00.01UTC 19th August to 24.00UTC 20th August 2023 (48 hours). The International Lighthouse Lightship Weekend, ILLW, came into being in 1998 as the Scottish Northern Lights Award run by the Ayr Amateur Radio Group. The ILLW usually takes place on the 3rd full weekend in August each year and attracts over 500 lighthouse entries located in over 40 countries. It is one of the most popu-

lar international amateur radio events in existence probably because there are very few rules and it is not the usual contest type event. It is also free and there are no prizes for contacting large numbers of other stations. There is little doubt that the month of August has become "Lighthouse Month" due largely to the popularity and growth of the ILLW.

HAPPENINGS

More information can be found at the [ILLW web site](#).

AMSAT Field Day to Activate Satellites

The Radio Amateur Satellite Corporation (AMSAT) promotes its own version of Field Day for operation via the amateur satellites. It's held during the same hours as ARRL Field Day. Making contacts should be as easy as it was last year, as more than 10 transponders and repeaters will be available. A full report can be heard here: <https://blubrry.com/arrl-audio-news/97166380/arrl-audio-news-june-9-2023/>

On June 12, 2023, a CubeSat (miniature satellite) that contains a nanobook with messages from Pope Francis was launched from Vandenberg Space Force Base in California. Once deployed into orbit, the microsatellite was set to transmit papal messages of hope and peace in

English, Italian and Spanish that any amateur radio receiver should be able to pick up. Its radio signals will be transmitted on the frequency of 437.5 MHz "with modulation GMSK at 9600 bit/s and protocol AX.25," the press release said.

A testament to the daring spirit of amateur radio: The expedition MMOUKI to Rockall Island off the coast of Scotland by intrepid amateur Cam Cameron, M3NLC was just completed after 60 days on this rock and over 7200 QSO's. Initially, Cameron was joined by members of a team, Nobby, GOVJG and Emil, DL8JJ. The last two left the island after a few days and Cameron remained to set a record of stay on the island.

The island is no more than a mere rock in the middle of nowhere, as shown in the adjacent picture.



The [Annual 13 Colonies Special Event](#) will take place July 1 - 7, 2023. The 13 Colonies Special Event is an on-air amateur radio event honoring the original 13 colonies, US independence, active military personnel, and veterans. All amateur radio operators are welcome to participate, including shortwave listeners. Certificates will be available for all participants. Each US state that was one of the original 13 colonies has a special call sign. All HF bands will be open, including the WARC bands, *with the exception of 60 meters*. Simplex on 2 and 6 meters is encouraged and the use of 40 - 160 meters is encour-

aged for stations in the southern east coast. All modes of operation may be used, including SSB, CW, RTTY, and digital. The mode of operation is up to the individual colony/state station. Please refer to each special event station's QRZ page for more details and information.

There will be a class for Amateur Radio Technician Class licensees who want to upgrade to General Class. It will start on July 22, 2023 at 9:30AM. It will be held at Hobbs Pharmacy Community Room, 133 N Banana River Drive, Merritt Island, Florida. The class will be both in person and online with Zoom. Sessions will be recorded and uploaded to YouTube for people who missed a class or just want a review. Class will consist of 5 Saturday sessions, approximately 3 hours each. Interested parties should contact me (Robert Luken) at w3rdl@arrl.net or 321-432-0450 cell or 6100001668 on HamShackHotline.

ON THE AIR

QATAR, A7. Anton, RN1B is QRV as A71/RN1B and is here for several weeks. Activity is on 80 to 10 meters using CW and SSB. QSL via F6EXV. RW3RN.

FRENCH POLYNESIA, FO. Didier, F6BCW is QRV as FO/F6BCW from Huahine Island, IOTA OC-067, until October 25. Activity is on 80 to 6 meters using CW and SSB.

NETHERLANDS, PA. Special event call signs PA100K, PA100M, and PA100PCG are QRV until June 30 to commemorate the two-way telegraph service that started up from Radio Malabar to Radio Kootwijk. QSL via bureau.

MARSHALL ISLANDS, V7. Bob, N7XR is QRV as V7/N7XR from Kwajalein, IOTA OC-028, and is here until the end of June. Activity is in his spare time on 160 to 10 meters using CW, SSB, and FT8. QSL via LoTW.

MYANMAR, XZ. Akio, JE2QIZ is QRV as XZ2B from Yangon until the end of September. Activity is on 15, 12, 10, and 6 meters using CW. QSL via JH3SIF.

DUCIE ISLAND, VP6. A group of operators will be QRV as VP6A from June 11 to 24. Activity will be on 160 to 6 meters, with five stations active, using CW, SSB, and FT8. QSL via HA7RY.

CHINA, BY. David, K6FA is QRV as BY2/K6FA until the middle of August. Activity is holiday style on the HF bands using mainly CW.

QSL via LoTW.

FEDERAL REPUBLIC OF GERMANY, DA. A group of operators from IARU Society DARC are QRV with special callsign DB23SOWG until June 25 during the Special Olympics World Games. QSL direct to DL2VFR

82nd National Speleological Society Annual Convention Jun 24-Jun 30, 1800Z-1800Z, K8C, Elkins, WV. National Speleological Society Radio Club, K7NSS. 14.285 14.050 7.195 7.050. QSL. Sam Rowe, KG9NG, 2749 Commercial Ave, Madison, WI 53704-4868. K8C@NSSCES.ORG

WWI Code Talkers Honored at Choctaw Youth Day Camp Jun 28, 1500Z-2100Z, W5D,

Tuskahoma, OK. Vm Okla Nan Ola ARC. 7.217 14.317 21.317 28.317. Certificate. Jeff Sharrock, AF4CM, 12715 N 410 Road, Hulbert, OK 74441. Please look up callsign W5D on QRZ.com for information on receiving the Certificate. VmOklaNanOlaARC@gmail.com

Members of the KH8RRC Team will be active as W1AW/KH8 from **American Samoa, 12 - 18 July 2023**. They will operate on HF Bands, CW, SSB, FT4, FT8.

MARIANA ISLANDS, KHO. Harry, JG7PSJ will be QRV as WHORU from Saipan, IOTA OC-086, from June 21 to 27. Activity will be on 40 to 10 meters using CW and SSB. QSL direct to home call.

Special Event Stations by Armando Delgado, KN4JN

Special Event Stations are very popular amateur radio activities throughout the world. These comprise transmitting stations commemorating national, state, regional, or community historical events, personalities, or organizations that are important to the country, state, or community of the amateurs holding the event. They are celebrated all around the world, but they are particularly popular in the United States. Monthly, the ARRL publishes special event stations that are active throughout the nation and the world.

We in Florida have a unique opportunity to hold special event stations, due to our history. Although Florida did not become a state of the Union until 1845, Ponce de Leon discovered and named Florida in 1513. The name of the state has not changed since the original discovery, in spite of numerous invasions and interferences by foreign powers. Also, in 1565 the Spaniards founded the first surviving European colony in North America, named Saint Augustine. This previous colony remains as the oldest city in the United States to date. All this provides 510 years of recorded history that can be used to find historical events for special event stations in our state. Florida not only holds 510 years of ancient history, but a lot more of recent history, considering that most of the modern American space exploration originated in Florida, more specifically, in Brevard County, our county. Actually, trying to choose historical events for special event stations has so many choices in Florida that it makes it difficult to select which are the important ones.

The ARRL, the agency that has organized and studied amateur radio and amateur radio clubs for over one hundred years, determined that the most significant accomplishment of amateur radio clubs that keeps them alive is club activities, and of those, radio operations seemed the most impor-

tant.

Special event stations offer a unique opportunity for clubs to engage in active radio functions of significance that can stimulate interest to those in the non-amateur world, thus offering opportunity to draw attention and new recruits into our hobby, into our club.

The Indian River Amateur Radio Club has a unique position to hold historical special event stations. Not only are we situated in a unique historical location, but we have a unique location to operate. Our club has a club station with high quality antenna set ups and capable of activating stations at any time of the year. Our only drawback is that we compete with the church for the use of the club facility. However, it is possible that the church would allow us to set up temporary canopies in the backyard to hold radio activities when the pavilion is used for church functions. Were this possible, we could hold special event operations possibly every month, and offer church members an opportunity to see amateur radio in action. However, if the church rejects the use of the back lot, we could hold the special event at a park, just as the QRP group presently does.

The beauty of the special event station is that the operators decide where, when, and for how long to do the event. There are no defined rules. The event could last a whole day, or just a couple of hours. Also, it is not a contest, so there is no need for a lot of contacts, or high power. It could be a QRP event, if necessary. Likewise, one station might suffice for the event, although there is no limit to how many could participate.

With early planning, the event could get published in QST, giving notice to local hams of

our activities and providing name recognition for the club. QST requires a three month advance notice to publish events in the magazine, so to obtain this bonus, careful, annual planning is necessary.

The club could form a special events committee to select what events to consider and the club members then could choose the ones preferred. With careful selection, events could be distributed throughout the year and we would have time to request publication in QST.

Our club has been somewhat stagnant over the past few years. Holding special event stations could change that and allow us to grow and give active members more action.



W1AW CW PRACTICE TRANSMISSIONS

7 PM EST Slow CW : 5-15 WPM
Mon, Wed, Fri

7 PM EST Fast CW: 35-10 WPM
Tue, Thu

FREQUENCIES:

1.8025, 3.5815, 7.0475,
14.0475, 18.0975, 21.0675,
28.0675, 50.350, 147.555



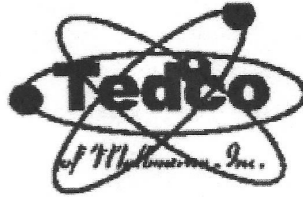
Editor's Note:

Send comments about the Newsletter or to contribute information or articles to the Editor's email address:

olardelga@aol.com.

ACTIVE REPEATERS INCLUDING DMR, PACKET & SIMPLEX							RACESBRE0008 REV B
Repeaters & Packet are open for all licensed amateur radio operators to use.							
OUTPUT FREQ.	STD. NAME	OFFSET	TONE/CC	CALL	LOCATION	OWNER	NOTES
WBFM							
145.130	130 VB	-600	107.2	AB4AZ	VERO BEACH, INDIAN RIVER	AB4AZ	
145.350	350 SC	-600	103.5	K4OSC	St. CLOUD, OSCEOLA	K1XC	Radio Science Club, FI Club
145.370	370 CO	-600	156.7	W2SDB	COCOA-BROADCAST CT.	IRARC	Yaesu Repeater replaced with Bridgecom FM
145.470	470 ME	-600	107.2	K4HRS	MELBOURNE- RIALTO PL.	HIRAC	
145.490	490 TI	-600	100.0	WN3DHI	TITUSVILLE SR405 & Fox lk rd.	WN3DHI	
146.610	610 ME	-600	None/107.2	W4MLB	MELBOURNE- HOLMES HOSP	PCARS	Tone Downlink only
146.625	625 MM	-600	100.0	KE4NUZ	NW of MIMS NEAR HARRISON RD.	KE4NUZ	Limited coverage
146.775	775 MM	-600	100.0	K4KSC	NW of MIMS Hog Valley , W of I95	K4KSC	
146.850	850 ME	-600	None/107.2	W4MLB	PALM BAY- Port Malabar Rd.	PCARS	Tone Downlink Only
146.880	880 RO	-600	107.2	W4NLX	ROCKLEDGE- WUESTHOFF HOSP.	IRARC	FUSION Repeater replaced with Bridgecom F
146.895	895 PB	-600	107.2/107.2	K4EOC	PALM BAY- DeGroot Library	EOC	TSQL as of 5/2018
146.910	910 TI	-600	107.2	K4KSC	TITUSVILLE Water Tower on south st.	TARC	
146.940	940 RO	-600	None	K4GCC	ROCKLEDGE Carver Rd.WLRQ Tower	LISATS	
146.970	970 TI	-600	107.2	K4KSC	TITUSVILLE-T'VILLE TOWERS	TARC	
147.075	075 SC	+600	107.2/107.2	K4EOC	SCOTTSMOOR Near US1-Aurantia Rd	EOC	TSQL as of 5/2018 Relocated 4/2019
147.135	135 RO	+600	107.2/107.2	K4EOC	ROCKLEDGE-EOC	EOC	TSql as of 5/2018
147.240	240 DE	+600	123.0	KV4EOC	DELAND	VARES	
147.255	255 PB	+600	107.2	K4DCS	Near Babcock & Palm City S City limi	PBARC	
147.330	330 TI	+600	107.2	K4NBR	TITUSVILLE-PARRISH HOSP.	NBARC	
147.360	360 TI	+600	107.2	N4TDX	TITUSVILLE-PARRISH HOSP.	NBARC	DSTAR Gateway in work
442.850	850TI4	+5000	107.2/107.2	N4TDX	TITUSVILLE-PARRISH HOSP.	NBARC	TSql;FUSION/WBFM/WIRES-X
444.325	325ME4	+5000	107.2	K4DCS	MELBOURNE-TRINITY TWRS-E	PBARC	
444.375	CNLBRE	+5000	107.2		195 FDT Twr 1/2 Mile N of County Lin	SARNET	"SARNet Sebastian Repeater"
444.425	425ME4	+5000	107.2	W4MLB	MELBOURNE- RIALTO PL.	PCARS	
444.525	525RO4	+5000	103.5/103.5	K4EOC	ROCKLEDGE-EOC	EOC	TSql; VOICE/NBEMS
444.650	CNMBRE	+5000	107.2	W4NLX	COCOA-FHP SR520	IRARC	"SARNet Cocoa Repeater"
444.750	750TI4	+5000	156.7/156.7	N4TDX	TITUSVILLE- TGO WATERTOER 230 ft.	NBARC	TSql
444.875	875MI4	+5000	107.2	KC2UFO	MERRITT IS. COURTNEY SPRS.	K4UJZM	
444.925	925KS4	+5000	131.8/131.8	N1KSC	KENNEDY SP. CTR.-VAB	KSCARC	FM Tsql ; P25 capable
224.120	120CO2	-1600	123.0	AA4CD	COCOA Broadcast Ct.	AA4CD	
DMR							
444.150	150TI4	+5000	CC1	K2JO	TITUSVILLE-PARRISH HOSP.	KC2CWT	DMR FL
444.575	575CO4	+5000	CC3	K4DJN	COCOA BROADCAST CT.	AA4CD	DMR Brandmeister
444.675	675TI4	+5000	CC3	K4DJN	TITUSVILLE-T'VILLE TOWERS	AA4CD	DMR Brandmeister
ATV							
427.250	250CO4			K4ATV	COCOA BROADCAST CT.	LISATS	NTSC INPUT 439.25 See www.lisats.org
PACKET STATIONS:							
145.090	W12KPB	WINLINK		W2PH-10	PALM BAY-W2PH QTH	PBARC	WINLINK GATEWAY
145.090	090 ME	PCARS		W4MLB-2	MELBOURNE-TRINITY TWRS-EAST	PCARS-K1YON	BBS W4MLB-4 EASTNET
145.770	770 PB	SEDAN		K4EOC-7	PALM BAY	N2DB	http://www.fla-sedan.com
145.770	770 TI	SEDAN		KD4MWO-4	TITUSVILLE	N2DB	INACTIVE NODE
BREVARD RACES/ARES SIMPLEX							
146.480	CENTX	SIMPLEX		N/A	CENTRAL REG	IRARC	CENTRAL NET SIMPLEX BACKUP
146.550	SOUTHX	SIMPLEX		N/A	SOUTH REGION	PBARC	SOUTH NET SIMPLEX BACKUP
146.580	MLBX	SIMPLEX		N/A	MELBOURNE REGION	PCARS	MELBOURNE REGION NET SIMPLEX BACKUP
146.595	NORTHX	SIMPLEX		N/A	NORTH REGION	TARC	NORTH NET SIMPLEX BACKUP
147.540	EOCROX	SIMPLEX		N/A	RACES Bay	EOC	EOC VOICE/NBEMS
SIMPLEX							
146.520	CALL52	SIMPLEX		N/A	Station to station, anywhere		VHF national simplex calling freq
146.490	TAC A	SIMPLEX		N/A	Station to station, anywhere		Standardized tactical option since 2006
146.560	NBRX	SIMPLEX		N/A	NBARC -Club/Parrish Hosptial Activities		
146.580	TAC B	SIMPLEX		N/A	Station to station, anywhere		Standardized tactical option since 2006
147.420	TAC C	SIMPLEX		N/A	Station to station, anywhere		Standardized tactical option since 2006
147.420	IRARCX	SIMPLEX		N/A	IRARC 'FUN NET" and CLUB ACTIVIES		
147.450	TAC D	SIMPLEX		N/A	Station to station, anywhere		Standardized tactical option since 2006
147.570	TAC E	SIMPLEX		N/A	Station to station, anywhere		Standardized tactical option since 2006
446.000	CALL46	SIMPLEX		N/A	Station to station, anywhere		UHF national simplex calling freq
446.500	TAC A4	SIMPLEX		N/A	Station to station, anywhere		Standardized tactical option since 2006
446.600	TAC B4	SIMPLEX		N/A	Station to station, anywhere		Standardized tactical option since 2006
446.700	TAC C4	SIMPLEX		N/A	Station to station, anywhere		Standardized tactical option since 2006
2 Meter & 70 cm WBFM repeaters use CTCSS; if one frequency is listed it is for uplink (user Tx) , if two are listed the repeater is set for uplink and downlink (user Tx and user Rx)							
Repeater Call Signs in bold are owned by Brevard Emergency Management and are maintained by the county. Repeater Trustee: Ron K2RJ							
NOT ON AIR							
Standard Names in Bold are recommended for Emergency Radio in Brevard *							
PBARC= Palm Bay Amateur Radio Club (Replaces DCS for South Brevard) See Ed W2PH for more info							

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MACOM
MAXON
MIDLAND
MOTOROLA

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