

### INDIAN RIVER ARC

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

OFFICERS

### OCTOBER, 2019

### **CLUB MINUTES**

PRESIDENT

KUOR

VICE-PRESIDENT Viron Payne N4vep

SECRETARY
STEVE LUCHUCK
N4UTQ

TREASURER
LARRY HENDERSIN
KK4WDD
DIRECTOR
DAVID SLAWSON
K4UZM

NEWSLETTER EDITOR ARMANDO DELGADO KN4JN

#### HAPPENINGS

The FCC is seeking comment on a *Notice of Proposed Rulemaking* (*NPRM*) that is part of an overall plan to transition completely to electronic filing, licenses, authorizations, and correspondence. The notice proposes to make all filings to the Universal Licensing System (ULS) completely electronic, expand electronic filing and correspondence elements

for related systems, and require applicants to provide an email address on the FCC Forms related to these systems. Although much of the FCC's ULS filings are already electronic, the changes suggested in the *NPRM* (in WT Docket No. 19-212) would require all Amateur Radio Service applications to be filed electronically.

President Dave KUOR began the meeting at 7:32 PM with the Pledge of Allegiance. Following the Pledge, Dave called for visitors and guests and two guests, Sherrod Munday KN4BFF and son John S Munday, Jr KN4ERS were welcomed. Also visiting was Larry Hughes W4LEH, newly Extra.

Dave reported that Kathy Slawson is doing much better.

There was no September meeting due to hurricane Dorian. The August meeting minutes were published in the August newsletter. A motion was heard to approve the August meeting minutes. A second was heard and the August meeting minutes were approved by acclamation.

The Treasurer's report showed \$847.27 in checking and \$1778.24 in the Equipment Fund. A motion to approve the Treasurer's report was heard, a second was heard and the Treasurer's report was approved by acclamation.

Vice President Viron N4VEP reported the radio room is in pretty good shape.

Emergency Coordinator Les W9BCH reported that Dorian was a fizzle and we are waiting on the Dorian after action report. There will be a Simulated Emergency Test coming up Saturday, October 5 starting at 9:00 AM. All are welcomed and encouraged to participate.

Dave reported for the Technical Committee and he told us that all the repeaters are up and running at 100% performance. Dave also mentioned the SAR net and Viron brought up the point that SAR net is no longer being supported. Dwaine KM4HCN then reported that pressure on DOT from the amateur community and Homeland Security to keep the SAR net operational paid off and the state DOT will continue to support the system. Dave went on to explain how the SAR net reaches almost everywhere in Florida. The 220 MHz repeater has really good range. The go-kits status has not changed. Two are assembled and there are parts for two more. One of the 2m antennas at the Red Cross needs a little TLC Larry KK4WDD put in some nice words for the simplex net on 147.42 following the Wednesday ARES net: it is a good opportunity to gage your emergency equipment capabilities.

SPURIOUS EMISSIONS

The shack now has batteries for a couple of days, consisting of 3 gelcell batteries. Now there is a 3" pass-through in the shack wall so that we can run generator or solar power into the shack from the outside. We also have two four hundred watt solar panels, donated by Viron N4VEP, and charge control-

The Simulated Emergency Test will start at 9am and simulates an impending storm and is a good

opportunity to test your go-kit. The shack will be used for central net. The following weekend, October 11-12, is the Melbourne Hamfest and it will be Friday and Saturday only. ARES will be there to hand out badges.

Field Day: We used the club house on SR3 which is no longer available. We ran three stations: two phone and one CW station. The phone stations ran high power (600 watts) and we found this very helpful and we had a lot of fun.

New Business: Next meeting we will elect new officers. All officers and one director position are up for grabs. Armando KN4JN was recognized for the excellent newsletter where articles of useful information and fun stuff appear every edition. Dave commented that he has looked at other club's newsletters and none of the others compare in quality.

The 50-50 ticket was found to be in the hands of Viron N4VEP.

Jerry KJ4IMP announced that things from Ernie Baldini's estate are up for sale.

A motion to adjourn occurred at 8:07 PM and was moved and approved.

Respectfully Submitted

Steve N4UTQ

Secretary

# DXCC 10 Most wanted countries 2019 Club Log version

- 1. P5 DPRK (NORTH KOREA)
- 2. 3Y/B BOUVET ISLAND
- 3. FT5/W CROZET ISLAND
- 4. BS7H SCARBOROUGH REEF
- 5. CEOX SAN FELIX ISLANDS
- 6. BV9P PRATAS ISLAND
- 7. KH7K KURE ISLAND
- 8. KH3 JOHNSTON ISLAND
- 9. FT5/X KERGUELEN ISLAND
- 10. 3Y/P PETER 1 ISLAND

# Some interesting web sites with radio listening information:

The International Amateur Radio Union Monitoring System (IARUMS) Region 1 August 2019 newsletter can be read at <a href="http://www.iarums-r1.org/jarums/news2019/news1908.pdf">http://www.iarums-r1.org/jarums/news2019/news1908.pdf</a>

SPURIOUS EMISSIONS Page 2

#### HAPPENINGS

Recordings of military transmissions can be found on the Signal Identification Guide Wiki at <a href="https://www.sigidwiki.com/wiki/Category:Military">https://www.sigidwiki.com/wiki/Category:Military</a>

Reports of Amateur Band intruders can be logged on the IARU Region 1 Monitoring System Logger at http://peditio.net/intruder/

Monitor the short wave bands on-line with a web based SDR receiver at

http://www.websdr.org/

bluechat.cgi

IARU Monitoring System (IARUMS)

https://www.iarums-r1.org/

"Coaxial Cable Connectors" is the topic of the September 12

episode of the <u>ARRL The Doctor</u> is In podcast.

Interesting newsletter about satellite weather imaging.

http://www.geo-web.org.uk/ quarterly/geoq63.pdf

The 1 × 1 Special Event Call Signs system offers a way for clubs, groups, or even individuals to use a short call sign of special significance to the amateur community. These  $1 \times 1$  call signs are reserved in advance for use in conjunction with shortterm special events and commemorative operations. The FCC does not assign 1 × 1 call signs, so they are not "official." The FCC has selected coordinators to approve and post 1 × 1 Special Event Call Sign reservations to a searchable database. More details here.

More than 230 items will go on the block as bidding begins on **Thursday**, October 17, at 10 AM EST (1400 UTC) for the 14th Annual **ARRL Online Auction**. The auction will continue through Thursday October 24

through Thursday, October 24, closing at 10 PM EST. An auction preview opens on Monday, October 14.

A series of themed challenges will take place in 2020, as part of the SOTA - Summits On The Air awards programme. The idea is to encourage SOTA activity on bands and modes that are popular in amateur radio generally, but somewhat under-represented in SOTA. More information here.

1921 Solar Event May Have Been Bigger than Carrington Event. Scientific American reports that, according to new data, the "New York Railroad Storm" of 1921 may have surpassed the intensity of the famous Carrington Event of 1859.

### **ELECTIONS**

Next month the club will hold elections for club officers. All positions are open:

President

Vice-President

Secretary

**Treasures** 

Director at Large

A few good men are needed to volunteer.

Email Armando, KN4JN at **olardelga@aol.com** if you want to put your name in the ballot.

#### ON THE AIR

Augustine Beach DE. U.S.Coast Guard Auxiliary District 5-NR Commemorating U.S.C.G.AUX 80TH Anniversary Oct 18-Oct 20, 1600Z-1800Z, N3G, Port Penn, DE. U.S.Coast Guard Auxiliary 5TH NR. 14.070 14.055 7.070 3.535. QSL. Robin M Begley, 3 Pancoast Ave, Aston, PA 19014.

1100Z-1200Z, W5C, Port Lavaca, TX. U. S. Coast Guard Auxiliary Division Seven. 7.270. QSL. Thomas B. Hargrove, 1021 N Virginia St , Port Lavaca, TX 77979. Send SASE thcgaux@gmail.com

# Jamboree On The Air/Jamboree on the Internet.

Oct 19-Oct 22, 1300Z-1900Z, W1M, Russell, MA. Western Mass Council, Scouting USA. 7.190 7.040. QSL. Tom Barker, 329 Faraway Road, Whitefield, NH 03598. Look for us on Brandmiester JOTA talk group as well as Mass, Vermont, and NH state wide tg's. Special QSL available through eqsl or sase to WA1HRH, good on QRZ.com.

### Surrender Day Special Event

Oct 19, 1400Z-2000Z, K4RC, Yorktown, VA. Williamsburg Area Amateur Radio Club. 7.265 14.265. QSL. QSL Manager, PO Box 1470, Williamsburg, VA 23187. Commemorating the 238th anniversary of the British surrender to the Americans, ending the Revolutionary War. www.k4rc.net

## 3rd Annual 27 Lighthouses in the Southwest Desert

Nov 1-Nov 11, 0000Z-2359Z, N7A thru N7Z, Lake Havasu City, AZ. London Bridge Amateur Radio Association. 21.300 18.145 14.250 7.005. Certificate. Garry F. Fisher, 1850 Rainbow Ave S, Lake Havasu City, AZ 86403. This is the third annual 27 Lighthouses in the Southwestern part of Arizona. Each lighthouse will have its own Call sign and will be activated from the site k9wzb1@gmail.com

# Oklahoma Permitless Carry Law Is in Effect on air celebration.

Nov 1-Nov 14, 0800Z-2000Z, W2A, Choctaw, OK. MID-Del ARC. 21.366 14.266 7.266 3.866. QSL. Timothy Harper, 1799 Moran Rd., Choctaw, OK 73020. Celebrating HB 2597 becoming law in Oklahoma Nov. 1 2019. This event will celebrate the right of the people in Oklahoma to carry firearms without asking the government for a permit. w5ta-h74ci@gmail.com

### Remembering the Edmund Fitzgerald (Split Rock Lighthouse)

Nov 2-Nov 3, 1500Z-2355Z, WOJH, Two Harbors, MN. Stillwater, MN Amateur Radio Association - SARA. 21.360 14.260 7.260 3.860. Certificate. Shel Mann, NODRX, SplitRock2019@Radioham.org, x . QSL Certificates will only be sent via email. Send standard QSL contact info to: SplitRock2019@Radioham.org. www.radioham.org

LIBERIA, EL. Members of the Italian DXpedition Team will be QRV as A82X and A82Z from September 30 to October 11. Activity will be on 160 to 10 meters using CW, SSB, RTTY and FT8 with five stations. QSL direct to I2YSB.

TOKELAU ISLANDS, ZK3. A large group of operators will be QRV as ZK3A from October 1 to 11. Activity will be on 160 to 10 meters using CW, SSB, RTTY, EME and FT8. QSL direct to YT1AD.

Philippe, F1DUZ will be active again as FG4KH from **Guade-loupe**, IOTA NA-102, 14 - 29 October 2019. He will operate on HF Bands SSB, JT65B, FT8, 6m and 2m EME, Tropo.

### The First Telegraph by Armando Delgado KN4JN

Ever since men first organized in communities, a need arose for distant communications. At first, foot messengers carried oral communications, regardless of distance. Probably, we recognize as one of the most famous messengers the mythical envoy, Philippides, that carried to Athens the news of the Greek victory over the Persians at the battle of Marathon after running 26 miles, thus providing the distance and the name to that most noble modern foot race.

By the Middle Ages, with the advent of paper and writing, the norm for communications consisted of written messages and horseback couriers as the preferred carriers of long distance messages.

Although foot messengers still existed, the timing of delivery suffered the limitation of the speed of the horse or the footman.

In 1792 a French engineer by the name of Claude Chappe, in the middle of the Scientific Revolution and the French Revolution to boot. conceived of a system to send messages quickly over long distances. His invention consisted of a horizontal, rotatable bar with one movable extension at each end that could be configured into multiple shapes representing the alphabet and numbers (Figure 1). This contraption would be set on top of a tower manned by an attendant with a telescope who could view the adjacent relay towers separated by several miles, the separation depending on the surrounding terrain, but varying between 2 and 10 miles (Figure 2, 3). Characters were sent one at a time and relayed the full length of the course to its destination. Thus what used to take hours to deliver a message now took only minutes. The only limitation of the system was its dependence on visibility. Messages could not be sent at night or in low visibility conditions such as fog ,heavy rain, or snow; also, terrain and distance between towers created a limiting factor that required correction to maintain the line of sight visibility the system

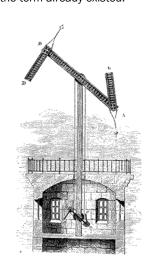
required.

Chappe called his invention a semaphore, from the Greek, meaning "sign carrying". Once the system became widely implemented in France, the term telegraph, coined by the French secretary-general for foreign affairs, Andre Francois Miot de Melito, was used to refer to the semaphore system of communication.

The Chappe semaphore telegraph proved so successful that after a few years the French put into service hundreds of semaphore towers all across the nation. Other countries copied the system as well, although many used their own signaling systems and letter codes.

During the first half of the Nineteenth Century the semaphore telegraph system dominated the land long distance mode of communications around the world, particularly for military and government messages. Later in the century, it was replaced by the electric telegraph capable of relaying messages night and day and in all weather conditions.

When we speak of telegraph most people think of the electric telegraph, yet long before this invention came into being the term already existed.



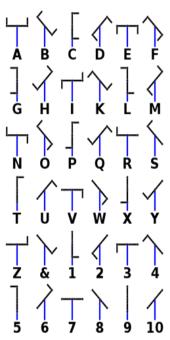


Figure 1. The Chappe code system



W1AW CODE PRACTICE

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



Figure 3. Replica of a Chappe semaphore tower in Nalbach, Germany.



Send

Editor's Note:

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

Figure 2. Diagram of Chappe semaphore tower.

OUTPUT FREQ.	OFFSET	TONE	CALL	LOCATION	OWNER
145.130	-600	107.2	AB4AZ	VERO BEACH, INDIAN RIVER	AB4AZ
145.350	-600	103.5	K4OSC	St. CLOUD, OSCEOLA	K1XC
145.370	-600	156.7	W2SDC	COCOA	IRARC
145.470	-600		K4HRS	MELBOURNE	HIRAC
145.490	-600	100	WN3DHI	TITUSVILLE	NORTH NET
146.610	-600	None	W4MLB	MELBOURNE	PCARS
146.775	-600	100	K4KSC	MIMS	TARC
146.850	-600	107.2	W4MLB	PALM BAY	PCARS
146.880	-600		W4NLX	ROCKLEDGE	IRARC
146.895	-600	107.2/107.2	K4EOC	PALM BAY	EOC
146.910	-600	107.2	K4KSC	TITUSVILLE	TARC
146.940	-600	None	K4GCC	ROCKLEDGE	LISATS
146.970	-600	107.2	K4KSC	TITUSVILLE	TARC
147.075	+600	107.2/107.2	K4EOC	TITUSVILLE	EOC
147.135	+600	107.2/107.2	K4EOC	ROCKLEDGE	EOC
147.240	+600	123	KV4EOC	VOLUSIA	VARES
147.255	+600	107.2	K4DCS	PALM BAY	DCS
147.330	+600	107.2	K4NBR	TITUSVILLE	NBARC
147.360	+600	107.2	N4TDX	TITUSVILLE	NBARC
444.325	+5000	107.2	K4DCS	PALM BAY	DCS
444.375	+5000	107.2		SEBASTIAN	SARNET
444.425	+5000	107.2	W4MLB	Melbourne	PCARS
444.525	+5000	103.5/103.5	K4EOC	ROCKLEDGE	EOC
444.650	+5000	107.2	W4NLX	COCOA	IRARC
444.925	+5000	131.8	N1KSC	KENNEDY SP. CTR.	KSCARC
442.850	+5000	107.2/107/2	N4TDX	TITUSVILLE	NBARC
444.750	+5000	107.2/107.2	N4TDX	TITUSVILLE	NBARC
224.520	-1.600	107.2	N4TDX	Titusville	NBARC
PACKET STATIONS					
145.010	WINLINK		W2PH-10	PALM BAY	DCS
145.090	PCARS		W4MLB-2	MELBOURNE	PCARS
145.770	SEDAN		K4EOC-7	PALM BAY	N2DB
145.770	SEDAN		KD4MWO-4	TITUSVILLE	N2DB
146.550	SIMPLEX		K4DCS	SOUTH REGION	DCS
147.540	SIMPLEX		K4EOC	RACES Bay	EOC
146.520	SIMPLEX			GENERAL CALL	
146.580	SIMPLEX		W4MLB	MELBOURNE	PCARS
146.480	SIMPLEX		W4NLX	CENTRAL REG	IRARC
146.595	SIMPLEX		K4KSC	NORTH REGION	TARC
146,560	SIMPLEX		NBARC	NBARC General Simplex	NBARC

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