



## INDIAN RIVER ARC

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

VOLUME XLIV, NUMBER 11

# SPURIOUS EMISSIONS

NOVEMBER, 2018

## OFFICERS

### PRESIDENT

DAVID LERRET  
KU0R

### VICE-PRESIDENT

VIRON PAYNE  
N4VEP

### SECRETARY

STEVE LUCHUCK  
N4UTQ

### TREASURER

LARRY HENDERSIN  
KK4WDD

### DIRECTOR

DAVID SLAWSON  
K4UZM

### NEWSLETTER EDITOR

ARMANDO DELGADO  
KN4JN

## CLUB MINUTES

President Dave KU0R was out of town so Vice President Viron N4VEP led the meeting. The meeting began at 7:30 PM with the Pledge of Allegiance. Following the Pledge, Viron called for new members and guests and we had no visitors or guests. No one is convalescing either.

The meeting minutes were published in the October newsletter. A motion was heard to approve the October meeting minutes. A second was heard and the meeting minutes were approved by acclamation.

The Treasurer's report showed \$1854.82 in checking and \$1777.74 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.

Les W9BCH reported that hurricane season does not end until the end of the month but the

hurricane season for this year is pretty much over with. Les invited everyone to check into the Simulated Emergency Test (SET) on the 145.37 repeater starting at 9:30 AM on Saturday. It was noted that you should stay by your radio and if you need to leave, please check out. Nobody was dispatched to support hurricane Michael recovery but volunteers were called up.

Old Business: No news on the go kits. Christmas party December 6<sup>th</sup> at the Olive Garden on 520 on Merritt Island starting around 6:30 PM.

New Business: None.

Following the business portion of the meeting we discussed antennas for small spaces and good candidates are magnetic loop antennas and Isotron antennas. Loop antennas can tune multiple bands, and Isotron antennas are single band antennas but can handle

high power. Another design features a wire strung around an interior wall forming a large loop and using a matching coil located at the opposite end of the feed point.

There was \$16 in the 50-50 and there was a winning ticket.

A motion to adjourn occurred at 8:10 PM and was moved and approved.

Respectfully Submitted

Steve N4UTQ

Secretary

## HAPPENINGS

NASA astronaut Serena Auñón-Chancellor, KG5TMT, MD, spent some time at the helm of NA1SS on October 6 making casual contacts. The Amateur Radio FM voice frequencies for stations in ITU Regions 2 and 3 are 145.800 MHz down and 144.490 MHz up. For stations in Region 1, the uplink frequency is 145.200 MHz

FT8 co-developer Joe Taylor, K1JT, recommended in a recent post to the [Pack Rats reflector](#) that those planning to use FT8 or other **WSJT-X** protocols, such as MSK144, should practice using the software before jumping into a contest or other activity. More details at

<http://www.arrl.org/news/practice-makes-perfect-with-ft8-and-other-wsjt-x-protocols>

[ARRL November Sweepstakes](#) (SS) is just ahead. The popular operating events – one for CW and the other for phone (SSB) – typically attract approximately 3,000 logs combined. For this 77th running ARRL November Sweepstakes, the CW event is November 3 - 5 (UTC), and phone is November 17 - 19 (UTC), each starting at 2100 UTC on that Saturday and running through 0259

UTC on that Monday. Stations may operate 24 of the available 30 hours. **Logs are due within 7 days after the event is over.** Last year saw 1,275 entries for the CW weekend, while the phone weekend attracted 1,674 logs.

“Do you really need a tower?” is the topic of the new (October 25) episode of the [“ARRL The Doctor is In”](#)

## HAPPENINGS

Radio amateurs in Belgium can use the **OP** prefix during **November** as part of the 100th anniversary of WWI commemorations. All radio amateurs who hold a Belgian license can use the prefix "OP" instead of the standard prefix "ON".

### Australian WWI Armistice Centenary special event callsigns

These callsigns are VI # PEACE and VI # LWF, with the # representing the call area numerals – one through zero. In addition, VI100PEACE has also been obtained. The callsigns will be available for use over the nine days between the third and the eleventh of November. In particular, look out for Victor\_India\_9\_PEACE from Christmas Island. Other countries with special Centennial callsigns:

the Italian special event station I13BVV began operating on 24th October, and will continue through to 4th November. The United Kingdom special event station GB100ARM will be on-air over the 1st to the 28th of November. From the United States, look for WW1USA which will be on-air over the 3rd and 4th of November. TM5PAX will be operating from France, active on all bands and modes 28th October through to 11th November. South Africa will be on-air with ZS100WWI for the month of November.

**SPACECRAFT MAKES RECORD CLOSE-APPROACH TO THE SUN:** NASA's [Parker Solar Probe](#) is now closer to the sun than any other spacecraft in history, shattering the previous

record of 26.6 million miles set by the Helios 2 spacecraft in 1976. The probe is now well inside the orbit of Mercury. Parker's prime mission is to investigate the origin of the solar wind—a project best done uncomfortably close to the star. Parker will trace the solar wind back to its source and find out how it escapes the sun's gravity and magnetic confinement. More at <http://spaceweather.com/>

### ARRL Contests Landing Page Offers Additional Enhanced and Expanded Content

The new ARRL Contests Landing page continues to develop with the addition of enhanced and expanded contest reporting. The [Contests](#) page will soon include

complete 2018 results, including full results articles from QST, expanded results, line scores, log-checking reports, soapbox, and database search.

Upcoming contests:

Nov 3-5 November CW Sweepstakes

Nov 17-19 November Phone Sweepstakes

Nov 24-25 International EME Contest

Nov 30 160-Meter Contest

Dec 8-9 10-Meter Contest

Dec 16 Rookie Roundup - CW

## ON THE AIR

**USS Cobia WWII Submarine Celebrating Veterans Day Nov 10-Nov 11, 1400Z-2100Z, NB9QV**, Manitowoc, WI. USS Cobia Amateur Radio Club. 14.240 7.250. QSL. Fred Neuenfeldt, W6BSF, 4932 S. 10th St., Manitowoc, WI 54220. SASE #10 w/QSL for Cobia QSL [www.qrz.com/db/nb9qv](http://www.qrz.com/db/nb9qv)

**USS Midway Museum Ship Special Event: Veterans Day and the establishment of the US Marine Corps on 10 NOV 1775 Nov 10, 1700Z-2359Z, NI6IW**, San Diego, CA. USS Midway (CV-41) Museum Ship. 14.320 7.250; 14.070 (PSK31); D-STAR on REF001C. QSL. USS Midway (CV-41) COMEDTRA, 901 N Harbor Drive, San Diego, CA 92101.

**FISTS Friday Nov 23, 0000Z-2359Z, KNOWCW**, Leonardo, NJ. FISTS North America. 28.058 24.908 21.058 17.085 14.058 10.118

7.028 3.558 1.808. Certificate. Available as a download, send email to, [awards@fistsna.org](mailto:awards@fistsna.org). The purpose of event is to increase FISTS/CW activity during the Thanksgiving Weekend.

**Christmas in Bethlehem "Bethlehem On The Air" Dec 8, 1800Z-2300Z, W9WWI**, New Washington, IN. Clark County Indiana Amateur Radio Club. 14.245; 40 through 6 meters conditions permit. Certificate & QSL. W9WWI CCARC Bethlehem, 4208 Perry Crossing Road, Sellersburg, IN 47172. LoTW will be used to log contacts. [www.clarkcountycarc.org](http://www.clarkcountycarc.org)

**USS Arizona at Pearl Harbor Day Dec 8, 1400Z-2200Z, K7T**, Tucson, AZ. Oro Vallery ARC. CW: 7.040, 14.040; PSK: 7.070, 14.070; FT-8: 7.074,

14.074, 18.100; SSB: 7.200, 14.250. Certificate. Email request, for certificate, to [qsl@tucsonhamradio.org](mailto:qsl@tucsonhamradio.org). Operating from the USS Arizona Memorial on the U of A campus. Email request for certificate only to [qsl@TucsonHamRadio.org](mailto:qsl@TucsonHamRadio.org). [www.TucsonHamRadio.org](http://www.TucsonHamRadio.org)

### Latvia's 100th birthday

The special amateur radio callsign prefix **YL100** has been created to celebrate Latvia's 100th birthday. Latvia will celebrate this centenary on 18th November 2018. Five different callsigns will be used between the 1st to the 18th November with this YL100 prefix, one from each of 4 Latvia's historical regions and the fifth from the capital city Riga. The callsigns are YL100K, YL100L, YL100R, YL100V, and YL100Z. These callsigns will be operated by multiple radio amateurs from the related regions.

Radio Amateurs members of MDXC will be active as Z23MD from **Zimbabwe, 26 October - 6 November 2018**. Team - IZ8CCW, I2VGV, IZ2GNQ, F5EOT, ON4LO, Y08WW, Y050ED, ON7RN.

### 2nd Annual 25 Lighthouses in the SouthWestern Desert

Nov 1-Nov 11, 0000Z-2359Z, N7A-N7Z, Lake Havasu City, AZ. London Bridge Amateur Radio Association. 18.145 14.255 10.115 7.195. Certificate. Garry Fisher, K9WZB, 1850 Rainbow Ave. S., Lake Havasu City, AZ 86403. 2nd Annual 25 Lighthouse Special Event in the Desert. Each lighthouse is a working replica of the original lighthouses along the west and east coast and the Great Lakes. A special Full color certificate for working 1 or all 25 Lighthouses. Special Endorsement for working all 25. More information on [QRZ.com](http://QRZ.com) N7A-N7Z or [Ibara.org](http://Ibara.org)

## Reflections on Amateur Radio by Steve Luchuck , N4UTQ

There is an old saying: "To each his own". And amateur radio is no different. There are a lot of different activities in ham radio and many of us have a station set up just for occasional use and for emergencies. Some of us are on the air all the time and I respect that. A lot of us are contesters and do not often engage in a rag chew. I found that I might be one of the ones that like amateur radio equipment more than I actually enjoy the operation.

Liking equipment more than actual operation is more common than you might think. Many of us have a special time set aside each week to fire up the rig and tune around to see if there is an interesting contact to make. It's always nice to know that your rig and antenna are working properly and everyone knows that there is always some contest or special event station to use to make a quick contact or two without actually having to struggle to converse with someone you don't know.

There are some simple fundamentals about setting up a station that if you follow correctly your station is going to operate at full capability, but not everybody trusts these principles. I know several members of our local group that I have a lot of respect for as operators. These guys are on the air all the time and they make contacts as well as friends on the air and they know the art of the QSO. I should probably dedicate an article just on the fine art of the QSO, because it is not as common as it should be, and if you master it, your appreciation for the hobby will explode.

With sunspots being rare for the last 15 years, propagation makes it more challenging to make contacts and making contacts generally falls into one of three categories:

- Special Event Stations
- Contests
- Rag Chewing

When you hear that little voice in your head that tells you to fire up the HF station and find out what is going on, chances are that you will look for a special event station or help out a few contesters, and after a couple of contacts, you go back to the football game satisfied that you are active on HF. One of the things that I do each weekend is calling CQ on 10 and 15 on the off chance that someone might return my call. Most of the contacts folks have posted to the contact board on the website are on 20 which is the money band during daytime. If you want to make contacts, you will make contacts on 20 if you try and you can be satisfied that your equipment is working as it should.

I don't know where I heard this saying, but it goes like this: You can always talk to somebody somewhere, but it's another thing to talk to who you want to talk to when you want to talk. This goes against the assumption that you are not going to know who you are going to talk to on the radio. Getting back to the three categories of making contacts, special event stations are nice to contact since they usually will spend a moment or two telling you about what they are commemorating and typically involves several exchanges but are usually quite short. Contest contacts are always short and if done correctly only involve a pair of exchanges and nothing annoys contesters more than people rag chewing on contest day. Field Day is usually the only contest that most of us regular folks participate in, and we do this out of tradition and there may be some derogatory commentary if you do not take Field Day serious enough. Amateur radio is supposed to be fun, and Field Day straddles the threshold for phone operations.

Now the third category: Rag Chewing. If you call my buddy in Texas, you should be prepared to chat for a while. A rag chew usually goes on until one party or the other is dispatched to another activity. During a rag chew, other stations may join the conversation in progress and a rotation will develop where they they pass the baton around. I have been part of a group rag chew where a half dozen or so stations stations pass it around. When you are rag chewing, it is polite to leave a gap in transmission when the baton is passed over to you to allow new stations to join the group. My Texas friend is usually the strongest station so if I forget who goes next I can pass it back to my Texas buddy.

There is one more category; the DX pileup. Right now 9X9PJ in Switzerland is working one station after another in North America and he is giving folks a quick signal report and then moving on to the next contact. There is a guy in Canada who does this on 40 at night and it amazes me why anybody wants to call this guy. Canada is not exactly a trophy contact and this guy gives them a signal report and then 73. He has a thick polish accent and perhaps people think they are making an exotic contact into Europe. Our hobby is infested with Lids.



### 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](mailto:olardelga@aol.com).

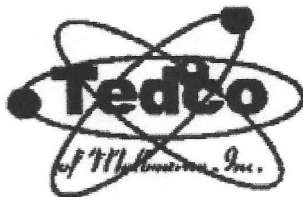
ACTIVE REPEATERS AND SIMPLEX FREQUENCIES (FM ANALOG)

REV 5/25/2018

OUTPUT FREQ.	OFFSET	ZONE	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	107.2	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	107.2	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

Repeater in bold are owned by Brevard Emergency Management and are maintained by the county. Truste

437 S. BABCOCK ST.  
MELBOURNE, FL 32901  
Ph) 321-727-2311  
Fax) 321-727-2312



## DISCOUNT ELECTRONICS

HAM&CB EQUIPMENT  
SECURITY SYSTEMS  
BATTERIES(ALL TYPES)  
REPAIRS(ALL TYPES)  
ANTENNAS - TOWERS  
2-WAY RADIO EQUIPMENT

"SALES AND SERVICE"  
TELEPHONE SERVICE  
COMPUTER REPAIR  
STEREOEQUIPMENT  
POWER SUPPLIES  
TUBE EQUIPMENT

2013 LINE LISTINGS \*\* THE ONLY REAL PARTS STORE LEFT IN SOUTH BREVARD \*\*

AIM  
ALINCO  
ANTENNACRAFT  
ANTENNA SPECIALISTS  
ARRL  
ASTATIC  
ASTI

BEARCAT  
BECKMAN (WAVETEK)  
BUSSMAN FUSES  
BUD

C.B.RADIO  
CALRAD  
CORNELL DUBILIER  
CELLPHONE AMPS  
CHICAGO MINIATURE  
CINCH JONES  
CLOVER  
COBRA  
CUSHCRAFT

DALBANI  
DECIBEL PRODUCTS  
DENNISON  
DURACELL  
DANTONA IND.

ECG (SEE NTE)  
ELECTRONIC RESOURCES  
ELECTROVOICE  
EVEREADY

FANON-INTERCOMS  
FLUKE (WAVETEK)

GC ELECTRONIC  
GALAXY  
GOLDLINE

HAM RADIO  
HARADA  
HITACHI  
HYGAIN

### ICOM RADIO

JSC WIRE  
JW DAVIS SOUND  
JVC PARTS

KENWOOD RADIO  
KOSS  
KESTER

LITTELFUSE  
LOWELL

M & G  
MALLORY  
MACOM  
MAXON  
MIDLAND  
MOTOROLA

NTE TRANSISTORS  
NELLO TOWERS  
NTE ELECTRONICS  
NORMAN LAMPS

PANASONIC  
PANAVISE  
PHILIPS ECG (SEE NTE)  
PHILMORE  
PIONEER  
POMONA  
POWERSONIC  
PRB  
PROAM ANTENNAS

QUAM  
QUEST

RANGER RADIO  
RAYOVAC BATTERIES

RUSSELL IND.

SR COMPONENTS  
SANYO BATTERIES  
SHURE BROTHERS  
SONY PARTS

### SPECO SWITCHCRAFT

TEI  
TNR BATTERIES  
TELEX - HYGAIN  
TRIPPLITE  
TUBES - ALL TYPES  
TV ANTENNA'S

UNIDEN  
UNIDILLA  
UNION CARBIDE

VARCO  
VALOR  
VECTOR  
VIDEO EQUIPMENT

W2AU BALUNS  
WALDOM - MOLEX  
WAHL-CLIPPER  
WAVETEK (BECKMAN)  
WILSON ANTENNAS  
WILSON ELECTRONICS

YAESU

WEB PAGE:  
[www.tedcoelectronics.com](http://www.tedcoelectronics.com)

EMAIL:  
[tedco@bellsouth.net](mailto:tedco@bellsouth.net)

Hours:  
MON - FRI 9 AM - 5 PM  
SATURDAY 9AM-3PM

TED - W4LR - GENERAL MGR.

DOTTIE - OFFICE MANAGER