

# Indian River Amateur Radio Club's Spurious Emissions

Jan 2016

Nr: 01

Volume: XLII



## IRARC 2015 Holiday Party and the Year Ahead

The year 2015 for the Indian River Amateur Radio Club (IRARC) ended with a joint Holiday Party with the Cocoa Amateur Radio Society (CARS) at the Merritt Island Red Lobster Restaurant on December 3rd. The event was well attended and a slide show of the highlights of 2015 for IRARC was presented.

The new IRARC club officers were introduced to the assembled guests: President - David Lerret, KU0R; Vice President - Viron Payne, N4VEP; Secretary - Steve Luchuk, N4UTQ and Treasurer Larry Hendersin, KK4WDD. A big thank you for a job well done was given to the outgoing officers: Steve N4UTQ, Del AK4EY, John N3RCV and Kevin KK4DNI.

A highlight of every IRARC meeting has been the outstanding technical presentations given after the regular club business is completed. Volunteers are being asked to sign up for the next round of presentations beginning in February 2016. The presenta-

tions should be of interest to the amateur radio community at large but any topic will be considered for submission. Please contact David - KU0R for your suggestions. A sign up list will be available at the January meeting.

A reminder to all, dues for IRARC have not changed from last year. For 2016, general membership dues are \$18 for individual and \$28 for family dues. Please provide a check with your call sign at the January meeting.

The KSC Amateur Radio Club has activated a new repeater located on the Vehicle Assembly Building operating on 444.925 MHz, transmit up 5 MHz with tone 131.8 Hz. Give it a try and support the club if you use this repeater.

The latest news regarding the 37 repeater: Chris Durso, AA4CD has uncovered a problem within the Yaesu repeater. The receiver is tuned about 2.6 KHz low causing the discriminator output to be distorted. The repeater has been shipped back to Yaesu for

warranty repair. The repeater cabinets at the Broadcast court site have been cleaned and the filter rack has been set up for duplexer, bandpass filter and isolator hardware. The new controller is still awaiting the Fusion interface board from Arcom.

Finally a big thank you to Patrick Kalup, W4PJK for donating a work bench to the 37 Broadcast court site. Phil Waltman, KG4ZVW and Dave Slawson, K4UZM shared in the fun of assembling the workbench. Don't ask them how many parts were left over after they assembled the bench!

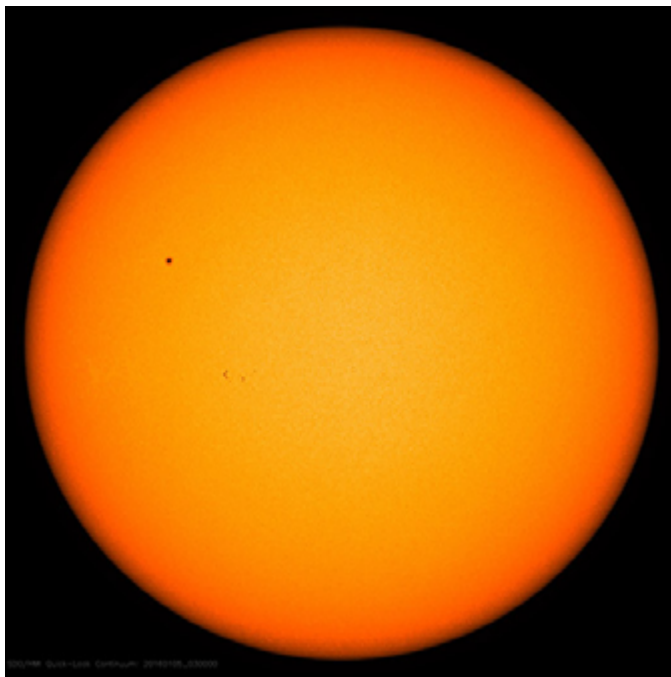


**Your 2016-2017 IRARC Officials: (Lt to Rt. Larry Hendersin, KK4WFF; David Lerret, KU0R; Viron Payne, N4VEP and Steve Luchuk, N4UTQ**

## Meet Us On the Following...

On Wednesday at 7:15 PM local, the Central Brevard County ARES net meets on IRARC's 145.370 MHz repeater (tone 156.7 Hz). After the net, informal ops/rag chew happens on 147.42 MHz simplex. Morse code practice on the 37 repeater at 7 PM on Tuesdays and Thursdays. On the web point your browser to: <http://irarc.ham-radio-op.net>.

IRARC's Spurious Emissions is published monthly. Comments and articles are welcomed, contact Dave Lerret, KU0R, [payloadone@earthlink.net](mailto:payloadone@earthlink.net)



**Sun activity from the Solar Dynamics Observatory as of 0315 UTC, 05 Jan 2016. This channel display is from the SDO Helioseismic and Magnetic Imager. - photo courtesy of <http://sdo.gsfc.nasa.gov>.**

**Explanation - Radio Flux 10.7 cm:** Predicted 10.7 cm (2800 MHz) full-Sun background flux. Values are in solar flux units of  $10^{-22} \text{ Wm}^{-2}\text{Hz}^{-1}$  and are not corrected for the variable Sun-Earth distance resulting from the eccentric orbit of the Earth around the Sun.

**Planetary A Index:** Predicted daily planetary A index. The A index is an index of geomagnetic activity derived from 3-hourly K-indices. A indices range from 0 (very quiet) to 400 (extremely disturbed). A forecast A index of 30 indicates global geomagnetic storm conditions are expected.

**Largest Kp Index:** Largest daily planetary K index (Kp) expected for the day indicated. The Kp index is an estimated 3-hourly planetary geomagnetic index of activity derived in real time from a network of western hemisphere ground-based magnetometers. Kp indices range from 0 (very quiet) to 9 (extremely disturbed).

**:Product: 27-day Space Weather Outlook Table**

# <http://www.swpc.noaa.gov/wwire.html>

# Issued 2016-01-04

#

# UTC	Radio Flux	Planetary	Largest
# Date	10.7 cm	A Index	Kp Index
2016 Jan 04	105	15	3
2016 Jan 05	105	8	3
2016 Jan 06	105	20	5
2016 Jan 07	105	20	4
2016 Jan 08	110	12	4
2016 Jan 09	115	8	3
2016 Jan 10	115	5	2
2016 Jan 11	110	5	2
2016 Jan 12	105	5	2
2016 Jan 13	100	5	2
2016 Jan 14	100	5	2
2016 Jan 15	105	5	2
2016 Jan 16	110	5	2
2016 Jan 17	115	5	2
2016 Jan 18	120	5	2
2016 Jan 19	120	5	2
2016 Jan 20	120	5	2
2016 Jan 21	120	8	3
2016 Jan 22	115	15	4
2016 Jan 23	110	12	3
2016 Jan 24	105	8	3
2016 Jan 25	110	5	2
2016 Jan 26	115	5	2
2016 Jan 27	115	5	2
2016 Jan 28	110	5	2
2016 Jan 29	105	5	2
2016 Jan 30	100	5	2

## Strays -n- Stuff



**Progress on the 145.37 MHz repeater site. Rack on left contains repeater, controller, and control link receiver. The hardware will be replaced with Fusion repeater, new controller and link transceivers. Rack on right is the duplexer, isolator and in band filter.**

- *IRARC Financial Report for Jan 2016*  
Checking: \$2699, Equipment Fund: \$1275.
- *Morse Code practice on Tuesday/Thursdays at 7:30 PM on 145.37 MHz repeater.*
- *IRARC Dues for 2016 are \$18 for general membership and \$28 for the family*
- *Join the Space Coast QRP Group. They meet at a Brevard local park or other listed location - every 3rd Saturday 9 AM website at [http://groups.yahoo.com/group/Space\\_Coast\\_QRP\\_Group/](http://groups.yahoo.com/group/Space_Coast_QRP_Group/)*
- *Are you RadioActive? Check the IRARC website calendar at <http://irarc.ham-radio-op.net/> for upcoming events, photos and links to other local clubs.*

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