

# Indian River Amateur Radio Club's Spurious Emissions

Nov 2013

Nr: 10

Volume: XXXIX



## IRARC Happenings

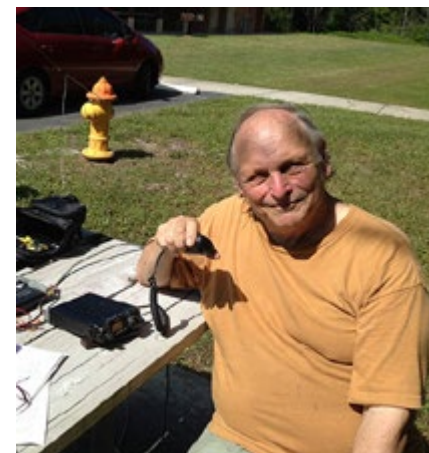
Time stands still for no one. It's already late fall, the World Series is behind us (Sorry Greg, no St. Louis Cardinals crown this year), the NFL season has already crossed the half way point (not good for Bucs, Jags and Dolphin fans), Thanksgiving is fast approaching and IRARC has elected its officials to fill the 2014-2015 term.

Congratulations are in order for President, Steve Luchuk, N4UTQ; Vice President Delwyn Anderson, AK4EY; Treasurer, John Webb, N3RCV; Secretary, Kevin Raulins, KK4DNI and Director Nominee, Bob Kisko, N4VO.

The holiday season is ready to get in gear with several parties IRARC members can join: CARS, the Cocoa Amateur Radio Society is inviting all hams in Brevard to attend their meeting on December 2<sup>nd</sup>, 7:00 PM at 1150 West King Street followed by a free spaghetti dinner (both meat and meatless sauce will be provided). Please call (407) 402-1212 (Ray Kassis' cell phone) if you will attend so

enough food can be prepared. IRARC's Christmas party will be on December 5<sup>th</sup>, 6 PM at the Cocoa Beach Pier Restaurant (401 Meade Ave.) for \$25 per person with a buffet style meal. Steve requests reservations early and the deadline to make a reservation is Dec 2<sup>nd</sup>. The IRARC Christmas party will take the place of the usual meeting on the first Thursday.

Bob, N4VO reported at the October club meeting progress from Randy, AG4UU on the installation of the 70 cm repeater at the new 520/I-95 location. All RF cables, power and Cat-5 lines have been installed and tested and final checkout should be underway soon at the repeater site. The club machine will be on 444.65 MHz (tone 107.2) and will be part of the SAR-Net, the Statewide Amateur Radio Network. SAR-Net is an open system and will allow seamless interoperability between the eight Florida districts using a independent 48-megabit microwave backbone.



**Dave Slawson, K4UZM found more than DX at the Oct 19th Brevard QRP gathering. While launching his antenna in the woods at Manatee Cove Park, he found an open safe in the woods containing over \$10K in bonds and personal documents.**

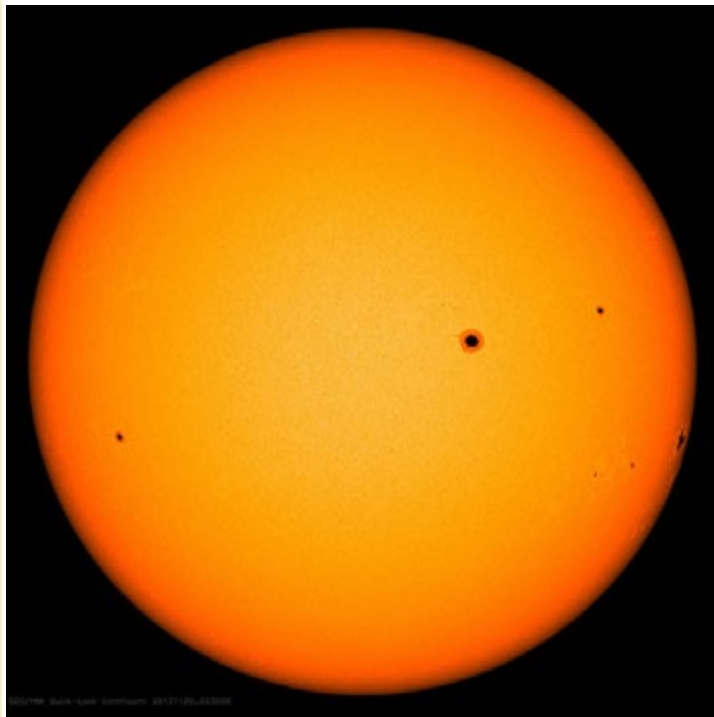


**Greg O'Neill, AB4GO (rt) and John Webb, N3RCV running SSB at the club's TS-940 for CQ WW DX contest on Oct 26th**

## 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. Sunday Half Time Net meets at 3 PM on the 37 repeater - you don't have to be a football fan to join. 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)



**Flux Density Values in sfu  
for 2013-11-19 at 22:00 UTC**

<b>Julian Day Number</b>	<b>2456616.406</b>
<b>Carrington Rotation Number</b>	<b>2143.933</b>
<b>Observed Flux Density</b>	<b>152.8</b>
<b>Flux Density Adjusted for 1 A.U.</b>	<b>149.2</b>
<b>URSI Series D Flux, Adj. x 0.9</b>	<b>134.3</b>

source: [www.spaceweather.ca](http://www.spaceweather.ca)

**Sun activity from the Solar Dynamics Observatory as of 0230 UTC, 20 Nov 2013. This channel display is from the SDO Helioseismic and Magnetic Imager. - photo courtesy of <http://sdo.gsfc.nasa.gov>.**

**Decoding the Solar Data**

The **Julian Day Number** is a simple day count starting at noon on 1st January, 4713 BC. It is convenient for long-term astronomical observations. The **Carrington Rotation Number** is the number of times the Sun has rotated since 9th November, 1853. The **Observed Flux Density** value is the number measured by the solar radio telescope. When the Sun is being studied, the annual modulation of the 10.7cm Solar Flux by the changing distance between the Earth and

Sun is undesirable. However, one by-product of the ephemeris calculations needed for the solar flux monitors to properly acquire and track the Sun is the distance between the Sun and the Earth. We therefore produce an additional quantity, corrected for variations in the Earth-Sun distance, and given for the average distance. This is called the **Flux Density Adjusted** value. A final adjustment for fitting the flux data across the frequency spectrum is a scaling factor of 0.9 for the 10.7 cm Solar Flux, the **URSI Series D Flux**.

**Strays -n- Stuff**  
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Expenses		Income
Insurance	327.36	Dues stay the same 18 for general members. 60 Paying members.
Trailer Tag	66.20	
Mailbox Rental	70.00	
Corporate Filing	61.25	
Equipment Maintenance	285.00	
Field Day	100.19	
Christmas Party	100.00	
Donuts	70.00	
<b>Total Expenses</b>	<b>1080.00</b>	

**The IRARC proposed budget for 2014 approved by the membership at the October 3rd meeting.**

- *IRARC Financial Report for November 2013  
Checking: \$4133, Equipment Fund: \$1106.*
- *Not too early to pay your 2014 club dues. Full membership is still \$18.00*
- *NTS Training Net Fridays at 7:15 PM on 145.37 MHz repeater - learn how to pass traffic.*
- *Join the Space Coast QRP Group. They meet at a Brevard local park or other listed location - see 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.*

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Hours:  
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SATURDAY 9AM-3PM

TED - W4LR - GENERAL MGR.

DOTTIE - OFFICE MANAGER