

Indian River Amateur Radio Club's Spurious Emissions

Oct 2013

Nr : 9

Volume: XXXIX



November IRARC Elections

At the October club meeting the IRARC Officer nominating committee chaired by Armando Delgado, KN4JN, presented the following names for consideration as club officers to serve in the 2014-15 term: For President, Steve Luchuk, N4UTQ; for Vice President Delwyn Anderson, AK4EY; Treasurer, John Webb, N3RCV; Secretary, Kevin Raulins, KK4DNI and Director Nominee, Bob Kisko, N4VO. No other

nominees were received by the committee nor nominated at the meeting. Steve, John and Kevin are all running for second consecutive terms while Del and Bob are running for a first term. Bob is already serving IRARC as the technical committee chairman. Voting for these nominees will take place at the November 7th club meeting and these officials if approved by the membership will fill their positions in January 2014.



Steve Luchuk, N4UTQ at the controls for IRARC 2013 Field Day



Del Anderson, AK4EY heating up the phone bands during the IRARC 2011 Field Day outing



Kevin Raulins, KK4DNI operating at the Brevard Veterans Memorial Center Special Event Station



John Webb, N3RCV at the IRARC GOTA Yaesu FT-897 Station during the 2012 Field Day Exercise

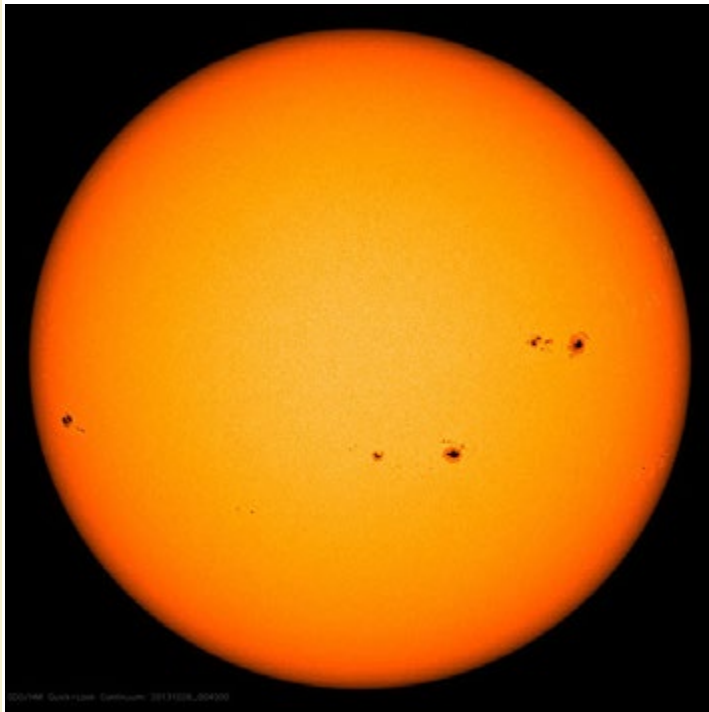


Bob Kisko, N4VO enjoying the HF phone bands during the 2013 IRARC Field Day

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



**Flux Density Values in sfu
for 2013-10-25 at 23:00 UTC**

Julian Day Number	2456591.447
Carrington Rotation Number	2143.018
Observed Flux Density	160.0
Flux Density Adjusted for 1 A.U.	158.2
URSI Series D Flux, Adj. x 0.9	142.4

source: www.spaceweather.ca

Sun activity from the Solar Dynamics Observatory as of 0045 UTC, 26 Oct 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
.....



Gail Stewart-Iles, KK4DAG and Stan Harrell, KJ4NUV sharing a relatively quiet moment at Brevard Central (Ray Kassis N4LEM Cocoa Station) during the October 2013 Simulated Emergency Test

- **IRARC Financial Report for Oct 2013**
Checking: \$4074, Equipment Fund: \$1066.
- **Satellite Tests are on hold pending a new terminal replacement and training -stay tuned!**
- **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/**
- **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.**

Club Meeting News

The October 3rd meeting was promptly called to order by President Steve Luchuk at 7:30 PM, followed by the Pledge of Allegiance. The prior meeting minutes were located in the last newsletter, and were approved by the membership. The treasurer's report was also approved. There were a total of nineteen (19) attendees including one (1) visitor.

Our Vice President Dave (KU0R) was on the road so our VP update was given by Steve Luchuk. The report consisted of our current IT strategy and we can rest assured that our systems are up-to-date, secured, and we can operate freely knowing that our network is also secure.

Bob (N4VO) gave us a status update of our repeater equipment stating that all is normal on our two primary repeaters. As for our up-and-coming 440 repeater, the outlook is still undetermined. The kind hosts are optimistic that the new repeater should be operational soon; however, we should be prepared for possible unforeseen issues that tend to occur with these kinds of things.

Greg (AB4GO) gave an informative report on the latest American Red Cross happenings including a brief discussion on where the satellite terminal replacement is currently at.

The budget for the new year was presented and yearly trends were outlined. It seems that we have a trend of declining membership which we attribute to losing some of our most senior colleagues along with the closing of our beloved Shuttle program. The good news is that we thankfully have a surplus of funds which will

maintain the club throughout our dry spells and we are working on ways of improving club membership including possible fund raiser ideas that might help draw attention to our hobby.

Our 2014-15 officer nominations were delivered by Armando Delgado (KN4JN). We have some old and some new for the new term. For club President, we have Steve Luchuk, N4UTQ. Running for Vice-President is Delwyn Anderson, AK4EY. For the Secretary position is Kevin Raulins, KK4DNI. Our Treasurer nominee is John Webb, N3RCV. Lastly, our new Director nominee is Bob Kisko, N4VO. No other nominations were provided from the floor. Please come in for our November meeting for voting and to share in the fellowship with your fellow operators as we prepare to enter the new year.

We shared a discussion about the upcoming Christmas party and had suggestions presented that we might consider moving the venue to a more suitable location for the majority of our membership. Having a less-expensive pot-luck dinner of a more informal variety was also suggested. Share your ideas on the Wednesday night nets, or at the next meeting so we can decide on a final venue for the festive holidays.

Stan (KJ4NUV) had quite a bit of news including the report of a shooting at the White House. The Simulated Emergency Test (SET) will have been done by the time you read this newsletter and was a good success. We had quite an interesting time simulating emergency shelter communica-

tions during this SET. Also, there was news of Tropical Storm Karen which was supposed to veer into the Florida panhandle, but ended up fizzling out.

Some upcoming events in October: First, the annual Melbourne Hamfest is fast approaching. It is scheduled for October 12th and 13th. The hours are Saturday 9-5pm and Sunday 9-2pm. Bring your \$7.00 for tickets if you forgot to pre-order and see what goodies you can find. On October 26-27th will be the 2013 CQ World Wide DX contest for SSB. Bring your bodies, food, radios, and mics and participate with us on this adventure. You never know which countries you might get to talk to.

We got to see a delightful homage to amateur radio history on the projector including some real old-time radio equipment that some of us still have in our shacks, while others have only heard of through stories and tales. The best part was seeing all the 3-letter calls that some of these proud operators had on their stations, along with the walls of QSL cards that some collected.

The 50/50 drawing winner was KG4LHG which had a pot of \$14.00. The meeting was adjourned at 8:37PM.



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

EMAIL:
tedco@bellsouth.net

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

TED - W4LR - GENERAL MGR.

DOTTIE - OFFICE MANAGER