

Indian River Amateur Radio Club's Spurious Emissions

Jun 2015

Nr : 06

Volume: XLI



Getting Ready for Field Day 2015

It's that time of year again when we battle the elements, lack of sleep, aching muscles and QRM in our annual exercise to demonstrate the amateur radio operator's ingenuity to contact as many other folks in a weekend - we call this Field Day on June 27 -28 beginning at 1800 UTC Saturday and ending at 2100 UTC Sunday.

Is Field Day an social gathering, a chance for community outreach, a recruiting exercise, a time to live and tell stories of that elusive contact or a real contest where contacts per minute and operator hunter skills are prized? After all, if it is not a contest - why keep score? Well, Field Day is an all the above event and this year IRARC needs everyone to help make this event a success for all the reasons stated above.

IRARC Vice President Del Anderson, AK4EY is leading the team to accomplish specific objectives. The Saturday event emphasis will be showing amateur radio to our visitors and supporting the Get on

the Air (GOTA) operations. Although we will enter the contest mode with full energy at 1800 UTC, we will focus on our guests to be sure we attract potential new recruits to amateur radio and demonstrate the operations/capability of amateur radio to visiting public officials. We will need folks to act as radio ambassadors to meet and greet the public. If you don't want to operate a radio, here is an opportunity to still participate in a valued role. A late afternoon dinner is planned at 5 PM so bring your appetites and take pleasure in getting the team on the air.

Radio operations through the evening and overnight is still to be determined so if interested, please sign up so the building can be kept open for your late night endeavors.

The emphasis on Sunday will be to operate in pure contest mode - scoop up those sections, multipliers and get points, points and more points. Breakfast will be

served at 0700 and operations will run through 1400 local.

After the thrill of operations is completed we will need volunteers to clean up the operating locations and restore the building back (better than we found it) to Red Cross operations.

Please contact Del if you want to operate QRP, emergency power, battery power or satellite modes so we can clean up on these additional points. We will need to plan ahead for these modes.



A break in action during IRARC FD 2013. (Lt to Rt) Greg O'Neill, AB4GO; Gail Stewart-Iles, KK4DAG and Steve Luchuk, N4UTQ at the microphone.

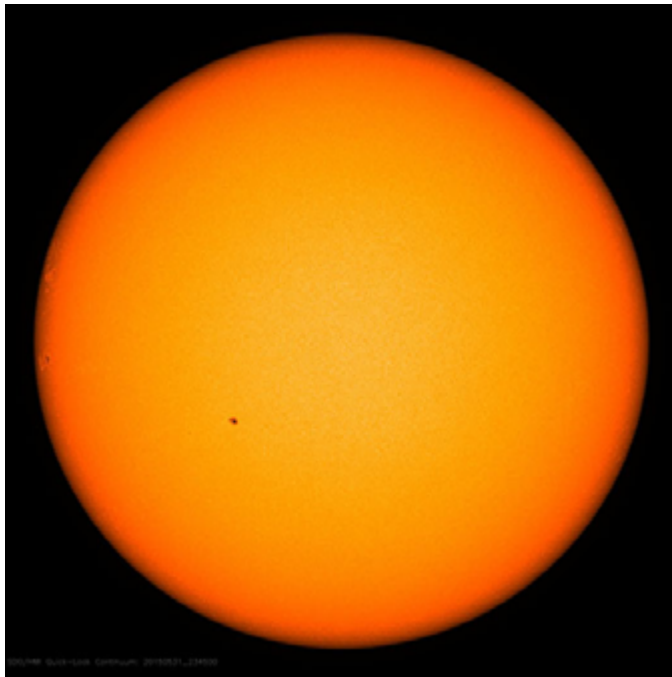


Kevin Zari, KK4YEL with hamstick dipole working the world via JT-65. Kevin presented an excellent live JT-65 demo at the Titusville Amateur Radio Club's April Meeting.

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



Sun activity from the Solar Dynamics Observatory as of 2345 UTC, 31 May 2015. 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 Wm⁻²Hz⁻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
Issued: 2015 May 25 0854 UTC
 # <http://www.swpc.noaa.gov/wwire.html>
 # 27-day Space Weather Outlook Table

# UTC	Radio Flux	Planetary	Largest
# Date	10.7 cm	A Index	Kp Index
2015 May 25	100	5	2
2015 May 26	100	5	2
2015 May 27	100	5	2
2015 May 28	95	8	3
2015 May 29	90	12	4
2015 May 30	105	8	3
2015 May 31	110	5	2
2015 Jun 01	115	5	2
2015 Jun 02	120	15	4
2015 Jun 03	120	10	3
2015 Jun 04	125	5	2
2015 Jun 05	125	5	2
2015 Jun 06	120	5	2
2015 Jun 07	115	10	3
2015 Jun 08	115	25	5
2015 Jun 09	115	20	5
2015 Jun 10	115	12	4
2015 Jun 11	110	8	3
2015 Jun 12	105	5	2
2015 Jun 13	100	8	3
2015 Jun 14	100	15	4
2015 Jun 15	95	12	4
2015 Jun 16	90	5	2
2015 Jun 17	90	5	2
2015 Jun 18	95	5	2
2015 Jun 19	95	5	2
2015 Jun 20	95	5	2

Strays -n- Stuff



A close up view of the business end of the IRARC 145.37 MHz repeater (Yaesu Vertex 7000) and controller hardware located at Broadcast Court in Cocoa.

- *IRARC Financial Report for June 2015*
 Checking: \$3359, Equipment Fund: \$1275.
- *Field Day IT checkout Rockledge Red Cross facility, Saturday June 20th starting 9 AM.*
- *2015 Hurricane season begins June 1st. Are You ready? Get prepared to stay or evacuate.*
- *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/*
- *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

Indian River Amateur Radio Club Minutes

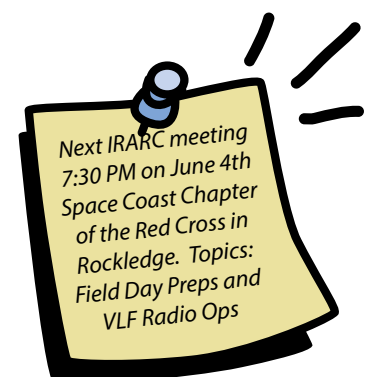
Meeting Date: 5/7/2015

Meeting Time: 19:30

Minutes recorded by: Kevin Raulins, KK4DNI

Meeting Minutes

- Meeting called to order – 19:30
- Members present: 24
- Minutes were approved motion/seconded – passed
- Treasurer's report approved motion/seconded – passed
- Technical Committee report given.
- Repeater status update given.
- Lots of work done on the repeater at Wuesthoff Hospital.
- Future work parties will be required to continue 88 repair including antenna inspection and possible replacement.
- Motion on the floor made by Vyron Payne Jr (N4VEP) to authorize the Board to purchase at its discretion, a new antenna for the 88 repeater at a cost not to exceed \$1,350 which was seconded by Ernie Hoffman (K1CPO). By a show of hands vote the motion was passed with no opposition. (19:49 EST)
- Vice-President's report:
- Field day preparations reviewed.
- Future presentation program reviewed.
- Meeting this Saturday, May 9th from 9am-12pm at the Red Cross to cover Field Day preparation plannings.
- Emergency Coordinator report given.
- Upcoming events requiring shelter operators.
- Cocoa PD requires operators to get Cocoa PD background check performed.
- Fundraiser for BEARS
- Presentation given by John Apfelbaum, KF4DPQ.
- Meeting Adjourned – 21:26



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