

The HIARC Bulletin

November 2016 Edition

The Official Bulletin of the Harris-Intersil Amateur Radio Club

Club Meetings: Second Thursday of Every Month at Meemaw's Barbecue on Babcock Street between Palm Bay Road and Port Malabar Road. Supper is at 6:00 PM, and a short business meeting is at 7:00 PM. Our programs start around 8:00 PM. Exception: In December, the HIARC Christmas Dinner may be held instead at someplace fancy TBD.

Club Station: The club station is K4HRS in Building 15, Room 321. Contact Butch to sign up.

Nets: The "Melbourne Region Net" (formally the South Brevard Emergency Net) meets every Thursday at 7:00 PM local on the 146.85 Mc repeater. A Skywarn net has typically formed here as well in severe weather.

HIARC Website: <http://qsl.net/hiarc>

Repeaters: 145.47 MHz, tone 107.2 cycles, elevation 170 feet, Melbourne

HIARC Web Site: www.qsl.net/hiarc. Website administrator; Jim, KC7SSW

Officers: President: Francis ("Butch"), WA4AQV

Treasurer: Bill WA4EMU

Secretary: Jim, KC7SSW

Repeater Chairmen: Bud W4HXP

Program Chairman: Eric N4SCS

Field Day Chairman: TBD

Sunshine Officer: Open

Club Jester: Ken N8KH

Annual Events: Annual swap-fest at the September meeting. Field Day (always the fourth full weekend in June) at Grant Community Center Fairgrounds, Field Day web site link

<https://sites.google.com/site/hiarcfieldday2013/>

Selected Upcoming Hamfests:

Okeechobee, November 26, 2016. Always a friendly country Hamfest, flyer:

<http://flweather.com/oarc/okeechobeehamfest1200freedomranch2016.pdf>

President's Message

The WRMI shortwave radio station tour was really great this past weekend. We'll show the pictures at an upcoming meeting. The staff there was most kind to explain the station the way they did and have us over.

During Hurricane Matthew the aluminum mast supporting the upper two of the 146.85 MHz repeater dipoles was hit by debris and got bent over against the tower. Fortunately the dipoles appear undamaged and the mast can be respliced. Picture attached.

The next HIARC club meeting is this Thursday November 10 at Meemaw's Barbecue on Babcock Street. Supper starts at 6:00 PM, and the formal meeting is at 7:00 PM.

The program will be by Dick KD4JP with two topics:

- 1) HIARC Website redesign with a live demo of the prototype site
- 2) A Raspberry PI Internet Weather Station.
 - 5 day local forecast, live radar,
 - Inside temperature/ humidity sensor
 - Hurricane tracking
 - RF Remote control

Cheap Sound card interface - Dick KD4JP

All parts are available from the usual places

- (1) BOSS Audio B25N Ground Loop Isolator (\$8.79)



(1) Griffin Technology iMic Stereo I/O Audio Adapter (\$36.99)



With a little bit of soldering and adding the proper connectors to your rig, you have a cheap Sound Card Interface!

Dick KD4JP

Product Report: Pixel Magnetic Loop

Put up the Pixel magnetic loop antenna yesterday and gave it a preliminary shake out oriented N-S. (Not rotatable yet though)

It does knock down the local power line noise. A lot.

I had a power line buzzing on 1850kc last night with the T2FD at an S9 level. Put on the mag loop and it dropped down to the noise floor and I had good copy on a QSO in progress.

Maryland stations were coming in nicely before sundown on 160m. They don't wiggle the s-meter but they near arm chair copy.

On 75 m and 40m I don't even need the preamp. My preamp has less gain than the one supplied in the kit and it's nearly too much.

Overall S/N was dramatically improved compared to a conventional dipole or beverage. The 500' beverage antenna couldn't deal well with the static crashes and local noise sources.

This may be the magic bullet for all those Christmas lights I have across the street especially on the low bands.

Walter K4HV

Winds Of Hurricane Matthew

We had a tropical storm at the Melbourne airport:



http://www.weather.gov/mlb/mlbdata?file=/pns/Matthew_Winds.txt

Hurricane Matthew Emergency Communications Structure

South Brevard County amateur radio emergency net structure was reorganized. There was a Palm Bay area net for south of 192 and a Melbourne area for net for north of 192. The Palm Bay area shelter net met on 146.895 MHz. The Melbourne area met on 146.850 Mhz.

There were not enough radio amateur volunteers to staff all the shelters, both Melbourne and Palm Bay unfortunately.

The Rockledge EOC operated on 147.135 MHz initially and later went to 147.360 MHz due to repeater technical concerns. The Melbourne net moved from 146.85 to 146.61 for a time due to repeater technical concerns. The Rockledge EOC repeater is not as high as it used to be, the tower was shortened to increase wind speed survival some time ago.



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- [Rainfall amounts from Hurricane Matthew](#)

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PNSMLB
FLZ041-044>047-053-054-058-059-064-141-144-147-110226-

Public Information Statement...Amended to Add Data
National Weather Service Melbourne FL
0920 PM EDT Fri Oct 07 2016

...East Central Florida Highest Wind Gusts For Hurricane Matthe

Location	Amount	Time/Date	Provider
...Florida...			
...Brevard County...			
2 SSE Patrick Air Force	88 MPH	0408 AM 10/07	WU
2 NW Cocoa Beach	79 MPH	0527 AM 10/07	WXFLOW
Valkaria	75 MPH	0403 AM 10/07	WXFLOW
1 E Lagrange	75 MPH	0705 AM 10/07	WXFLOW
2 NE Cocoa Beach	74 MPH	0634 AM 10/07	WXFLOW
3 SE West Melbourne	71 MPH	0327 AM 10/07	WXFLOW
1 NNW Valkaria	71 MPH	0320 AM 10/07	WXFLOW
Melbourne Intl Airport	70 MPH	0357 AM 10/07	ASOS
...Indian River County...			
Vero Beach Municipal Airport	74 MPH	0359 AM 10/07	ASOS
1 S Vero Beach	61 MPH	0230 AM 10/07	WXFLOW
1 ESE Vero Beach South	48 MPH	1148 PM 10/06	CWOP
1 N Sebastian Inlet	44 MPH	0347 AM 10/07	CWOP



146.85 MHz repeater dipoles