

# The HIARC Bulletin

November 2018 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 7:30 to 8:00 PM.

**Club Station:** Building 15, Room 321. E-mail Butch for access.

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

**Repeaters:** 145.47 Mc, tone 107.2 cycles, elevation 170 feet, Melbourne

**HIARC Web Site:** [www.qsl.net/hiarc](http://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

## **Membership:**

Dues are \$12.00 per year to:

Bill WA4EMU

**Annual Events:** Annual swap-fest at the October 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 Hamfests:**

- University Of Central Florida, January 12, 2019, <http://newton.i2lab.ucf.edu/wiki/Tailgate>
- The annual Okeechobee Hamfest appears to have been discontinued
- Orlando Hamcation, February 8 through 10, 2019, <https://www.hamcation.com/>

## **Ham Radio Lunches:**

- Every Friday, 10:30 AM till 12:30 PM or so, Golden Corral on Palm Bay Road in Palm Bay
- Every Friday, 9:00 AM till 11:00AM or so, Umpa's Diner, 1115 N Courtenay Pkwy, Merritt Island, FL 3295, (321) 454-3422

## **President's Message**

Don't forget the Friday ham radio lunches at Golden Corral. There usually are a dozen or more of us, excellent discussion topics and good food.

The November HIARC meeting is this Thursday November 8. Dinner starts at 6 PM and the meeting is at 7:00 PM. The November program will be a presentation on using solar energy to power amateur radio equipment by Bruce Heshner KM4OFP. Learn how to be in better position during a grid down episode. Bruce is a professor at Eastern Florida State College teaching electrical engineering and solar power.

Test equipment will be included among the door prizes.

73's

Butch WA4AQV

## **The Free HF Propagation Book: Davies Ionospheric Radio**

Here it is free for you to read online, the rigorous HF propagation book “ Ionospheric Radio” by Kenneth Davies. Link: <https://archive.org/details/ionosphericradio80davi>

## **New 2 Meter Tropospheric Propagation Record**

A new 2m tropo DX record set by G3SMT and D4Z, from the west of Wales to the Cape Verde Islands, 4431 km.

<http://QrzNow.com/g3smt-works-cape-verde-islands-to-set-new-144-mhz-tropo-record/>

Eventually the Florida to Ireland path will open on 2m and above, and *somebody* will be the first to work it and establish that record.

Ken N8KH

## **Amateur Radio Poem**

### LITTLE BLACK BOX

By Max P. Vander Horck, WA6HUW, QST NOVEMBER 1966

A little black box of Jewels and Rocks,  
with lanterns that flicker and glow,

Make lighter the gloom in my little back room,  
where often I hasten to go.

An anthem it peals of whistles and squeals  
and of voices so ghostly and queer

That you'd never decry, should you chance to pass by,  
what a brotherhood foregathers here!

Each separate tone has a soul of its own:  
each voice is the voice of a friend,

United through space in this gathering-place  
at the radiant rainbow's end.

Reverberant sounds ride the wave that rebounds  
like the waves of the sea, from afar,

Reporting the doings, the comings and goings of  
brothers, wherever they are.

A curious band, spread over the land,  
yet joined from equator to poles,

Disperses the gloom in each little back room  
by this magic communion of souls.

I could part with a lot of the things that I've got,  
but I'll carry my love to the tomb

Of that little black box and the joys it unlocks  
when I enter that little back room!

Bill

WA4EMU

### **Galileo GPS - FCC to vote on use of signals in USA**

From <http://www.southgatearc.org/>

The Federal Communications Commission (FCC) has said it will vote in November on whether to allow U.S. GPS receivers to access the Galileo global navigation satellite system (GNSS)

From an Amateur Radio perspective the key part is that the FCC will only be voting to waive its licensing requirements for non-federal operations with Galileo channels E1 and E5, subject to certain technical constraints.

This means they will not be voting on the E6 channel 1260-1300 MHz, these frequencies are also Amateur and Amateur-Satellite Service allocations. This suggests for 1260-1300 MHz the situation in the USA will be unchanged, the unlicensed use of the Galileo signal on channel E6 will not be permitted for non-Federal operations in the USA.

Read the Reuters story at

<https://www.reuters.com/article/us-usa-fcc-gps-europe/fcc-to-vote-to-allow-u-s-devices-to-use-european-navigation-system-idUSKCN1MY2X6>

2006 article - Galileo and amateur radio operations in 1260-1300 MHz  
<http://www.southgatearc.org/articles/galileo.htm>

DE N8KH