

# The HIARC Bulletin

August 2017 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.

**Club Station:** The club station is K4HRS in Building 15, Room 321. E-mail [fparsche@harris.com](mailto:fparsche@harris.com) to sign up.

**Nets:** The South Brevard Emergency Net meets every Thursday at 7:00 PM local on the 146.85 Mc repeater.

**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](http://www.qsl.net/hiarc).

**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 September meeting. Field Day (always the fourth full weekend in June) at Grant Community Center Fairgrounds, Field Day web site link

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

**Selected Hamfests:**

August 12, Fort Pierce, indoors details [American Radio Relay League | Ham Radio Association and Resources](#)

October 13, 14 Melbourne, <http://pcars.org/>

### **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**

Happy fiscal New Year! HIARC's business year begins on July 1 every year. This means that dues are due / past due. We are still only \$12.00 please mail to our treasurer:

Bill WA4EMU

Dues keep us in Field Day and repeaters Thanks!

The air conditioned Fort Pierce hamfest is this weekend.

The next HIARC meeting is this Thursday August 10 at 6:00 PM for dinner at Meemaw's Barbecue on Babcock street. Business is at 7:00 PM and the program is at about 7:30. The program will be on Microstrip Patch Antennas. How you can enjoy their high gain at small antenna size.

73's

Butch WA4AQV

### **Millimeter Wave Broadband Over Powerline, Coming To You?**

Mercifully, the HF broadband over powerline effort seems to have died nationwide.

Recent AT&T press releases indicate they are pursuing millimeter wave broadband over powerlines link :<http://www.orangesv.com/blog/how-att-airgig-works/>. Seems similar to Gaubau line with the horn launchers and surface wave propagation.

I am not holding my breath that this will come to pass but millimeter wave broadband over powerline might actually benefit to radio amateurs: we make little use of millimeter wave spectrum relative HF.

That leaves Broadband Over Telephone Line Interference. "Uverse" service in the Palm Bay Turkey Creek neighborhood and others delivers "Uverse" internet and television over unshielded 1960's parallel conductor telephone lines at frequencies from about 2 to 60 Mhz. The 1960's

unshielded telephone lines carry appreciable RF power and radiate electromagnetic interference for several hundred feet, impacting international radiotelegraph communications on 80 meters.

Hopefully engineers will invent coaxial cable soon.

## **Australian Radio Astronomy At VHF**

<https://www.cnet.com/news/the-iphone-8-wait-doesnt-hurt-apple-sales/>

## **2017 HIARC ARRL Field Day Entry Form**

Datestamp: 2017-07-15 19:39:26 PDT

Confirmation: a9315050558f651d

Use the following link if you want to update your Field Day entry:

<http://www.b4h.net/cabforms/fielddayupdate.php?callused=K4HRS&confirmation=a9315050558f651d>

[Field Day Results](#)

## **Propagation Studies During Eclipse**

<https://www.WashingtonPost.com/news/speaking-of-science/wp/2017/07/12/a-massive-atmospheric-experiment-is-planned-for-august-solar-eclipse/>