**The HIARC Bulletin**

June 2022 Edition

**Newsletter of the Harris-Intersil Amateur Radio Club**

**Club Meetings:** Second Thursday of each month at Meemaw’s Barbecue on Babcock Street between Palm Bay Road and Port Malabar Road. Supper is at 5:30 PM, business is at 6:30 PM. Prizes at 7:00 PM. Our programs start at 7:15 PM. Meeting ends by 8:00 PM. As some members have allergies, we kindly ask that you refrain from wearing fragrances. Thanks.

**Repeaters:** K4HRS,145.47 Mc, tone 107.2 cycles. Down, being moved to the Turkey Creek Tower possibly.

**Nets:**

The nets change often. At one point in time:

* South Brevard Emergency Net: Thursdays at 7:00 PM. 146.61, or 146.85 Mc repeaters
* Skywarn at 7:30 PM, 146.61 or 146.85 Mc on Thursdays
* Palm Bay Informal Net, 8 PM Thursdays on 147.255 MHz.
* Medical Complaint Nets: evenings 3.5 to 4.0 MHz

These are open to everyone.

**HIARC Web Site:** [www.qsl.net/hiarc](file:///C:/Users/Worm-W10PC/AppData/Local/Microsoft/Windows/INetCache/Content.Outlook/053Z5X9S/www.qsl.net/hiarc). Website administrator; Jim , KC7SSW

**Officers:** President: Francis (“Butch”), WA4AQV

Treasurer: Pat KA4ZEC

Secretary: Open

Repeater Chairman: Clyde KD8AN

Program Chairman: Open

Field Day Chairman: Open

Sunshine Chairman: Open

Club Jester: Ken N8KH

**Annual Membership:**

Annual dues are $12.00. Join at the meeting or send a check to:

HIARC Treasurer

Pat , KA4ZEC

We are on a calendar year dues system with annual dues due in June. Dues are prorated by a dollar a month so if you join in April they are $2.00 to get to June, or you can pay ahead.

Send me your email address to receive the newsletter: francis.parsche@l3harris.com

**Local Hamfests**

Saturday August 13, 2022. Fort Peirce, Treasure Coast Public Safety Training complex, 4600 Kirby Loop Road, Fort Pierce FL 34981. 8 AM till 2 PM. A rare summer hanfest and air conditioned. Tables available. VE testing 10 AM. Talk in 147.345 PL 107.2.

**Ham Radio Lunches:**

* Every Friday, 11:00 AM till 1:00 PM or so, Golden Corral on Palm Bay Road in Palm Bay. Around 9 people recently. Talk in on 146.61 Mc repeater.
* Once a month, the Saturday after the PCARS meeting, Sarno Restaurant and Pizzaria, 11:00 AM. Talk in 146.61 repeater. This is at the corner of Sarno Road and Croton Road.

**June 2022 HIARC Meeting**

Our next HIARC meeting is Thursday June 9 at Meemaws Barbecue. 5:30 PM for dinner, 6:30 short business, 6:45 prizes, 7:00 the program.

Officers nominations will be at the June meeting. If you are interested in being in office let me know thanks.

Butch WA4AQV

**June 2022 HIARC Meeting Program**

The program will be on **“Early 2 Meter FM and Draggie Talkie Radios”** by Butch WA4AQV. We will discuss how FM and repeaters got started, with a show and tell of the old radios, how important crystals were, and how you can get those old radios working. Here’s one of the show and tell draggie talkies:



**A Motorola PT-300 from 1967: Communications In A Handy Package!**

**Last Month’s HIARC Program “The Secret Listeners”**

Last month’s meeting program was the BBC now Youtube video entitled “The Secret Listeners”. In case you could not make the meeting here is link: <https://www.youtube.com/watch?v=RwbzV2Jx5Qo> .

This video documents the World War Two volunteer effort of English radio amateurs to copy the German radio traffic during the war. This was done by the hams in their shacks using their own radios. The effort went very well for England. The video starts off a bit slowly. The ham radio aspect is about 11 minutes in till the end.

**2022 HIARC Field Day**

At this point there are no plan for HIARC to have a 2022 Field Day. No one has expressed any interest. Last chance to change your mind will be at the June meeting.

HIARC members are welcome to can participate in the South Brevard Club Field Day to be held at June 25, 26 at Fisherman’s Landing Park on US1 in South Grant. Gary NQ0V can be reached for details at [nq0v@hotmail.com](mailto:nq0v@hotmail.com).

**Phone Patches**

Last month we discussed the manual phone patch. Historically they were connected to analog land line plain old telephone service copper wires. Many today only have cell phones however.

You can get cellular telephones that provide POTS connections via a modular phone jack. There are other ways too.

Butch WA4AQV

**Palm Bay Weekly Net**

The Palm Bay informal check-in net is held Thursdays on the PBARC repeater in Palm Bay,  K4DCS.  The  net starts at 8 PM on 147.255 MHz.  It starts with a roster call-up, any ham anywhere is welcome to check in. The net then QSYs for a quick check-in net to 444.325 MHz.

After the 444.325 checkins, we then have a Fusion roundtable on 147.255 MHz.  This starts about 8:20 or so, +/-.   This is a chance to exercise and become familiar with your Fusion radio.

**Fundamental Of Wireless Communications Book**

Some of the members might like to know this.  The front copyright etc for the book is absent from that web page, I think, as it jumps right into the table of contents.   I found it online.  It lists the authors and copyright date which is always of interest.  Here is a part of that info and the link to it.  This pdf from that site also includes all of Chapter 1.

<http://www.ifp.illinois.edu/~pramodv/Chapters_PDF/Fundamentals_Wireless_Communication_chapter1.pdf>

**IQ Data for Dummies**

Software defined radios (SDR) use IQ data.  IQ stands for In-Phase and Quadrature.  It is what makes up so-called analytic signals.  The following web page has an excellent explanation (one of the best I’ve ever seen), complete with moving pictures.

<http://WhiteBoard.Ping.SE/SDR/IQ>

73,

Ken N8KH