

The HIARC Bulletin

September 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 is 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 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. 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:

Melbourne Hamfest, Friday and Saturday October 9 and 10, <http://pcars.org/>

President's Message

The next HIARC club meeting is this Thursday September 8 at Meemaw's Barbecue on Babcock Street. Supper starts at 6:00 PM, and the business meeting is at 7:00 PM. The program will be a live demonstration of the Drake 2C HF receiver and how it works, including the two pentagrid converter tubes, Drake's converter receiver concept, and the 50 kc LC IF filtering.

73's
Butch WA4AQV

Bruce Jarrel NN4BJ SK

Sadly, Bruce Jarrell NN4BJ passed away September 1. He had been in a car accident, seemed to be doing fine at home and then took a severe turn for the worse and was rushed to the hospital where he passed away.

Bruce was previously active in PCARS and HIARC. He spent several years in the USAF and was a retired Harris systems engineer. Arrangements are Sept 7th, Brownlee on Strawbridge/US1 at 2:00PM. Biography www.QRZ.com/db/nn4bj

Frequency Measurement Program

John Lundberg W2TX did a great presentation on frequency measurements at the 8-11-16 HIARC meeting. Slides are attached.

Thanks John!

A new 222 Mc meteor scatter record

was just set 8-10-16 between NDOB in ND and K1OR in NH at 1402 miles.

73,
Ken N8KH

The other time signal stations

Most of us are used to WWV and CHU for time signals.

Another one is RJR Russia on 4.996, 9.996 and 14.996 Mc. It is receivable here after sunset and only provides time intervals, not time of day. About 35 minutes after the hour it ID's for a full minute in A1 CW morse code as RJR. Most of the time it sends dits, which are the time intervals. Hams can use for RJR as a propagation beacon, especially good as it is on lower frequencies not covered by the 14.100 Mc beacons.

Another time signal station that comes in evenings is YVTO from Caracas, Venezuela. They are on 5 and 10 Mhz and interfere with WWV from Boulder. YVTO has a morse code message at half past.

Heathkit used to sell a radio controlled clock that operated off WWV at HF frequencies. It is quite highly sought today by collectors. <http://www.n8obj.com/Heathkit.html>

Interference

Amateur Radio Sleuthing Pins Down Source of Strange RF Interference

<http://www.ARRL.org/news/view/amateur-radio-sleuthing-pins-down-source-of-strange-rf-interference>

Vinegar Does the Trick

Leaky alkaline AA batteries messed up my Icom 2AT HT battery holder. Tried the soaking them in vinegar trick for 30 minutes. Clean like new. And you get to watch the fizz!

High Tech Among the Palmettos: The Story of Radiation Inc and How It Changed the Face of South Brevard County

by Mr Frank A Perkins

<https://www.amazon.com/High-Tech-Among-Palmettos-Radiation/dp/1502338440>

In 1950, an electronic company, Radiation, Inc, was founded in the rustic town of Melbourne, Florida. Over the next few years, Radiation achieved a remarkable reputation in many fields, including Pulse Code Modulation (PCM) Telemetry, Instrumentation Systems, large tracking antennas, radar reflectivity, and space hardware, including some still on the moon. This book documents some of the hardware and technological achievements of the company and its amazing cadre of employees. A number of personal memoirs and anecdotes are included, of and by many of these employees. The book also describes the local community of the 1950's and 1960's and how Radiation contributed to its development. In 1957, Radiation merged with Harris Corporation (then Harris-Intertype), whose present business still reflects the Radiation heritage.