

BRARA Calendar:

19:00-21:00 Tue 01-Nov-16 **Club Meeting @ Club Shack**

09:00-12:00 Wed 02-Nov-16 Ham Shack Work & Radio Dav

20:00 Wed 02-Nov-16 (442.875 [110.9]) Red Informativa en Español

09:00-13:00 Sat 05-Nov-16 Ham Shack Work & Radio Day

02:00 Sun 06-Nov-2016 EST begins

19:00 Mon 07-Nov-16 (145.29 [110.9]) Monday Night Nets

Tue 08-Nov-2016 Election Dav

09:00-12:00 Wed 09-Nov-16 Ham Shack Work & Radio Day

20:00 Wed 09-Nov-16 (442.875 [110.9]) Red Informativa en Español

Tue 11-Nov-2016 Veterans Dav

09:00-12:00 Sat 12-Nov-16 Ham Shack Work & Radio Dav

19:00 Mon 14-Nov-16 (145.29 [110.9]) Monday Night Nets

09:00-12:00 Wed 16-Nov-16 Ham Shack Work & Radio Day

20:00 Wed 16-Nov-16 (442.875 [110.9]) Red Informativa en Español

Thu 17-Nov-2016 NRA Founded 1871

09:00-12:00 Sat 19-Nov-16 Ham Shack Work & Radio Day

19:00 Mon 21-Nov-16 (145.29 [110.9]) Monday Night Nets

09:00-12:00 Wed 23-Nov-16 Ham Shack Work & Radio Day

20:00 Wed 23-Nov-16 (442.875 [110.9]) Red Informativa en Español

Thu 24-Nov-2016 Thanksgiving Day

Fri 25-Nov-2016 Black Friday

09:00-13:00 Sat 26-Nov-16 Ham Shack Work & Radio Day

Sun 27-Nov-2016 Advent Begins

12:00 Noon Sun 27-Nov-16 **Deadline for Newsletter input**

Mon 28-Nov-2016 Cyber Monday

19:00 Mon 28-Nov-16 (145.29 [110.9]) Monday Night Nets

09:00-12:00 Wed 30-Nov-16 Ham Shack Work & Radio Day

20:00 Wed 30-Nov-16 (442.875 [110.9]) Red Informativa en Español

n Radio Flyer, a BRARA Newsletter

November 2016



This Month's Speaker

This month, our meeting will took place at the Shack (Elections taking precedence over us). After the meeting we concentrating on Shack radios.

Next month, Bob Furtaw, W8IL, will give a presentation on what to do with airplane signals. Synopsis on last page.

We are still looking for a place to hold our annual Holidav Party. Pse Help!

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Even though the new Shack is operational, there are still a lot of for innovation areas and improvement. We still meet every Wednesday and Saturday morning roughly between 09:00 and 13:00.

Both analog repeaters are working. Innovation and improvement opportunities are present here too. Art and Lew are spearheading efforts.

Repeater 2m/70cm linking as well as the time stamp are still works in We are still fund progress. collecting for a new 2m repeater antenna.

While the digipeater is operational, the packet repeater is a work in progress.

We have still not solved the limited internet connection and are still dependent on individual hot spots. We are, however, getting closer to resolving the internet link from the Repeater.

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QSL Report "4"

As we closed out last month, N4BRF has logged in 2,640 QSLs/8,400 QSOs (31.4%) on LoTW.

DXCC Account Status: Nothing new this month. New this month Anguilla (VP2E). Awards received: Mixed, CW, Phone, 15m and 10m.

WAS Account Status: New this month CT (17m), FL (17m), NV (10m). Also, 5BWAS RI 15 CW. Awards issued: Mixed, 20m, CW, Phone, Digital, Triple Play, RTTY . We still need:

- AK, ID for 40m
- AK, WV for 15m
- WY for 20m Phone
- NV for 20m CW.
- AK, DE, ID, ME, NV for 40m CW.

We have received the following QSOs from Field Day activities:

- •176 (+0) QSLs from 2012,
- •184 (+2) QSOs from 2013
- •254 (+0) QSOs from 2014
- •278 (+1) QSOs from 2015
- •149 (+3) OSOs from 2016

VUCC Account Status: Nothing new this month.

Update at the next Club Meeting.



Ham Software

Looking for a bazooka calculator? A CW tutor program. This site has lots of links to ham related software for your use. Many programs are free. Be aware that there are some dead links on the page--looks like the webmaster needs to do some updating.

http://www.w1wc.com/software/

Manual Labor

Got a repair job on a radio but no manual? Here's a site that lists sources for manuals--even the old boat anchors. Sites like BAMA have free manuals and schematics, others sell vintage manuals.

http://ac6v.com/manuals.htm

Repeater Finder

Forgot your ARRL repeater directory?

Try this repeater search tool. Enter a city or zip code for near-by repeaters in the box on the upper left of the map. When the results come up click on the individual location flags for full information on the specified repeater.

http://k5ehx.net/



AT&T's New ''AirGig'' Not Your Father's BPL

Recalling the earlier efforts of the FCC and telecommunications and utility interests to roll out "Broadband over Powerline" (BPL), the Amateur Radio community has been buzzing with questions about AT&T's justannounced "AirGig" BPL plan to make broadband available via apparently similar technology. ARRL's earlier anti -BPL campaign, and market forces, eventually led to the demise of the prior BPL initiative. ARRL Laboratory Manager Ed Hare, W1RFI, who spearheaded the earlier effort to quantify BPL's threat to Amateur Radio's HF spectrum and remains the resident expert on the subject, said this newest BPL incarnation should not pose an interference issue for radio amateurs.

"This technology uses millimeterwave RF signals (30 GHz to 300 GHz) coupled onto the surface of power lines to transmit the signal along the line with relatively low losses," Hare explained. "After looking at this technology, it looks nothing like the type of HF and VHF BPL that caused us so many problems years ago. The sky is not falling."

Hare added that it is not likely that the AT&T technology will even use Amateur Radio bands, so there is little reason for concern even among those amateurs who use spectrum above 24 GHz.

According to AT&T's September 20 announcement, the company is "deep in the experimentation phase" of the developing technology, which it says would be "easier to deploy than fiber, can run over license-free spectrum, and can deliver ultra-fast wireless connectivity to any home or handheld wireless device." AT&T said its initial

 and continuing — testing at AT&T outdoor facilities "has been positive," and initial field trials are set to begin in 2017.

Hare said the technique of putting RF signals onto the surface of conductors is not new. An **article** by Glenn Elmore, N6GN, and John Watrous, K6PZB, appeared in the May/June issue of *QEX*, describing the technique. In January 1953, the *Proceedings of the IRE* featured an article by C. E. Sharp and G. Goubau, "A UHF Surface-Wave Transmission Line," and the *Radio Amateurs VHF Manual 11th edition* introduced the technique to amateurs in 1968.

Hare said the League will keep an eye and ear out for interference problems, but he believes that the frequencies involved and the fact that these signals should not propagate far from the lines will pose little risk the Amateur Radio Service.

"So far, industry has not found a way to reliably put broadband signals on wires intended to carry power frequencies," he said. "The technical difficulties of trying to use wiring not designed to carry RF signals [and] connected to all sorts of noisy loads, other conductors and even splices that are major discontinuities at these frequencies will probably prove to be quite the technical challenge. ARRL is interested in seeing all technology succeed, but its vested interest is in the interference potential of new technologies. Fortunately, in this case, there is little likelihood of interference."

--ARRL



Red Informativa en Español ha sido Suspendido!

Red Informativa en Español has been temporarily suspended for lack of participation. We hope to revive this net when interest improves.



With Honor & Gratitude We Remember

Monday Night Nets KG4FUR

BRARA now runs three Monday Night Nets on the 145.290 MHz -0.600 [110.9] repeater:

- \Rightarrow New HAMs Net: 19:00-19:30.
- BRARA Informational Net: 19:30 \rightarrow -20:00. Out-of-Area Amateurs may check-in via EchoLink. Our Node is 826953.
- South County NBEMS Net 20:00-20:30. Analog Voice and FLDigi/ FLMsg mixed mode.

NBEMS KG4FUR

For more information and the latest Guide and Troubleshooting, go to www.qsl.net/k4wrc/PBC-BASIC-NBEMS.html or simply Google "Palm Beach NBEMS"

Scheduled Nets

- 20:00 S County 145.290 -0.6 110.9 Mon
- 19:30 PBC NBEMS Tue 147.285 +0.6 103.5

Other Local HAM **Analoa** Repeater Nets

Daily	18:00	SEFL Traffi	ic
_ `		_	146.61 MHz
Tue	19:00	Boynton Cl	
Tuo	10.20	Boca/Delra	443.1 MHz
rue	19.30	DUCa/Della	444.700 MHz
Tue	20:00	IRLP Tech	147.075 MHz
			147.450 MHz
Wed-		Red Inform	
Et	00.00	Español	442.875 MHz
Fri	09:00	SARNet: PBC	443.975 MHz
		FTI	442.850 MHz
			121000 11112

-		
	uled D A ST <u>Talk Gr</u>	NR Nets
Sun 200 Mon 160 Wed 210 Sat 120	00 TG-13 00 TG-03	(LO) FL Tech (EN) UK Tech (NA) NATech (WW)
		Repeaters
<u>Location</u>	<u>Rx Freq</u>	<u>Color Code</u>
Miami	442.225	1
N Dade	443.1250	10
Dania Bch	442.4000	1
Plantation	442.4250	1
Boca Raton	442.0000	8
Delray Bch	443.3000	1
Wellington	442.3000	7
Lk Worth	444.4500	10 In Repair
WPB	444.9125	1 .
PBG	442.1000	10
Jupiter	442.6000	10 Pending

Social Media Committee

A committee was formed to update, simplify and modernize BRARA social media: W4BFL (Jerry), KO4XL (Bruce), NE4LS (Nelson), N1QFH (John C)

Club Repeaters

144.390 **APRS Repeater** 145.070 Packet Repeater 145.290 -0.600 [PL 110.9] EC-826953 442.875 +5.000 [PL 110.9] Location: 26.39724 -80.09485 145.290 & 442.875 linking planned

Club Ham Shack

West Delray Regional Park 10875 West Atlantic Avenue Delray Beach, FL 33446

Board of Directors Scheduled Meetings

The BRARA Board of Directors:

K4LEW (Lew), KG4FUR (Gerry), KO4XL (Bruce), WA8VSJ (Art), KE4OBV (Patrick), W4BFL (Jerry), and W4WCD (Walt)

will hold scheduled monthly meetings at 18:00 on the third Thursday of the month in the McDonalds on Yamato Rd and Technology Way. Impromptu meetings may be held at the Shack on Wednesday and Saturday mornings.

Donations L

Contributions

Contributions to BRARA- a 501(c)(3) organization-are tax deductible as charitable donations. As you complete your membership renewal or begin your year-end tax planning, please consider making a donation to BRARA.

Planned Giving-Please also consider BRARA when updating or initiating planned giving (including charitable gift annuities, bequests and gifts or retirement plan assets) and other assets.

Apparel Donations

\$10 donation-BRARA Name Plate with your Call Sign.

\$30 donation-BRARA Polo Shirt with

your Call Sign. \$40 donation-BRARA button down red cotton/poly shirt (short sleeve)

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Email:								
ARRL Member	: O Yes	OND						
Birthday: Mon	th:	Year:						
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Interests:	O Field Day	O Ham Fest						
OHF	O Digital	O DXing						
O VHF	O Packet	OCW						
OUHF	O Voice	O Contesting						
O EmComm	O Skywarn	O Public Svc						
O ARES	O MARS	O CERT						
O Award Ch	asing	O Ragchewing						
O Building &	Experimenting	O DMR						
Other:								

Signature:

Return with dues to BRARA at either:

BRARA P.O. Box 480162 Delray Beach, FL 33448-0162

Or

to a director at the Shack on Wednesday or Saturday morning radio days.

Link McGarity WV4I

Memorial Free Flea

Start Date: 11/05/2016 End Date: 11/05/2016 Location: JFCS of Palm Beach County 5841 Corporate Way West Palm Beach, FL 33401 Website: http://palmswestradio.org Sponsor: Palms West ARC Type: ARRL Hamfest Talk-In: 147.045 (PL 110.9) Public Contact: Robert Pease, KS4EC 11894 Brierpatch Court Wellington, FL 33414 Phone: 561-358-9999 561-358-9999 Email: ks4ec@att.net

Cy Harris Memorial

Free Flea Start Date: 11/19/2016 End Date: 11/19/2016 Location: Collins Center 3900 NE 3rd Avenue Oakland Park, FL Website: http://browardarc.net/freeflea Sponsor: Broward Amateur Radio Club Type: ARRL Hamfest Talk-In: 146.91 (PL 110.9) Public Contact: Tony Becker, KK4GUU 3721 West State Road 84, Unit 102 Davie, FL 33312 Phone: 954-612-9303 Email: kk4guu@arrl.net

Welcome New Members:

KJ4IFG Mark Kaluh

For more on BRARA:

www.n4brf.org



^{the} *Radio Flyer* P.O. Box 480162 Delray Beach, FL 33448-0162

Flamingo Net and

UMARC Free Flea

Start Date: 11/12/2016 End Date: 11/12/2016 Location: University of Miami Physics / Gifford Arboretum Parking Lot 5101 San Amaro Drive Coral Gables, FL 33114 Website: http:// www.FlamingoNet.8m.net Sponsor: Flamingo Net / University of Miami Amateur Radio Club Type: ARRL Hamfest Talk-In: 147.150 +600 (PL 94.8) **Public Contact:** William Moore , WA4TEJ 1451 NE 102nd Street Miami Shores, FL 33138 Phone: 305-751-1874 Email: wa4tej@juno.com

Okeechobee Hamfest in

the Woods

Start Date: 11/26/2016 End Date: 11/26/2016 Location: Freedom Ranch 11655 US 441 South Okeechobee, FL 34972 Website: http://www.flweather.com/ oarc/ Sponsor: Okeechobee Amateur Radio Club Type: ARRL Hamfest Talk-In: 147.195 (PL 100) Public Contact: Amos McDaniel , KK4AMK 7615 NW 86th Court Okeechobee, FL 34972 Phone: 863-447-1233 Email: kk4amk@yahoo.com Free Laurel

VEC Jesting



Sun **06-Nov2016**, 11:00-13:00, Fire Station 28, 1040 RPB Blvd, Royal Palm Beach [PWARC] (1st Sunday of odd months).

Thu 10-Nov-2016, 19:00-21:00, Rutherford Com Ctr, 2000 Yamato Rd, Boca Raton, FL 33498 [BRARA] (Quarterly: Feb, May, Aug, Nov)

Tue **14-Nov-2016**, 18:00-19:30, Broward Gen MC, 1600 S Andrews Ave, Ft Lauderdale [BARC] (2nd Tue of every month).

BRARA Ham Shack Key Rules ^{k4lew}

To obtain a key for our ham shack you must be a member in good standing for a minimum of a continuous year and hold a general class license or above and go through a short training session with K4LEW (Lew), W4BFL (Jerry), W4WCD (Walt) or N4CGC (Max).

the Radio Flyer's Purpose

The purpose of this newsletter is to keep club members and other interested hams updated on club events and ham activities in the Greater Boca Raton Area. We hope you enjoy this month's the \Re as much as we did publishing it!











Amateur License Refresher

It's probably been awhile since you took your Amateur License exam. Here are a few sample questions just to keep those synapses firing.

Extra Pool

E4C15

What is usually the primary source of noise that is heard from an HF receiver with an antenna connected?

- A. Detector noise
- B. Induction motor noise
- C. Receiver front-end noise
- D. Atmospheric noise

E4C13

How does a narrow-band roofing filter affect receiver performance?

- A. It improves sensitivity by reducing front end noise
- B. It improves intelligibility by using low Q circuitry

to reduce ringing C. It improves dynamic range by attenuating strong signals near the

- receive frequency
- D. All of these choices are correct

General Pool

G6B11

Which of the following solid state devices is most like a vacuum tube in its general operating characteristics?

- A. A bipolar transistor B. A Field Effect Transistor

 - C. A tunnel diode
- D. A varistor

G6B14

What is the minimum allowable discharge voltage for maximum life of a standard 12 volt lead acid battery?



- B. 8.5 volts
- C. 10.5 volts

Answers to License Refresher:

E4C15	(D)
E4C13	(C)
G6B11	(B)
G6B14	(C)
G5C13	(C)

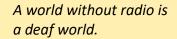


Got an idea for an article? Or constructive critique? Want to share club news and events? How about writing a short 30project idea? Your minute submissions to the Red Flyer are needed to help keep this of the best club one newsletters in South Florida.

Please articles send to KG4FUR@yahoo.com

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A world without television is a blind world.

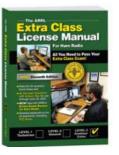
A world without telephone is a dumb world.

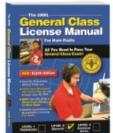
"A world without communication is indeed a crippled world."

- Ernest Agyemang Yeboah



"When radio keeps silent, our ears shall never hear the real details!" - Ernest **Agyemang Yeboa**









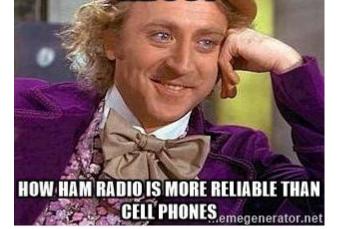




"Fall Back!" Daylight Savings Time Ends Sunday at Zam







TELL ME MORE

ROUU



"I got an idea, an idea so smart my head would explode if I even began to know what I was talking about."

I can put an antenna and a microphone on a pig, and create my own ham radio.

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Kit Producer Information

The era of electronic kits started (with a few minor exceptions like Stancor) after the end of WWII. In 1947, Heath offered its first kit, a 5 inch oscilloscope. Heath rapidly grew and after a while, other companies embraced the kit business. None were as successful as Heath but they still played an important role in the industry. Perhaps, like me, you built some of those kits. The availability of inexpensive electronic kits and the learning process of building, troubleshooting and using them quite likely encouraged many to pursue a career in electronics. For others, it contributed to a hobby that had a lasting character. For all, there was a common bond of construction brotherhood. It was a wonderful time when we saved our money, bought and then built amazing electronic devices on kitchen or dining room tables, garage or basement workshops or wherever a safe space for all of those beautiful parts could be found.

Not every kit worked the first time it was turned on. Many were built by those who had never used a soldering iron before. Evidence of this still exists today in some kits that have been sold on the used market. Some builders lost interest due to a mismatch between kit complexity and builder skills. Many others learned from their mistakes and went on to build many more kits.. What follows are brief descriptions of the companies represented here.

Heathkit was a well known supplier of electronic kits from 1947 through the early 1990's (although no new kits were developed after 1986). An incredible number of kits were offered including test equipment, amateur and SWL radio, audio, televisions, computers, robotics, automotive and other items difficult to categorize. Not all of their product offerings were kits. In their later years, many items were offered as either kits or assembled. Some items were only available assembled.

In their last few years they focused on selling educational products to schools and were known as Heathkit Educational Systems. A decline in funding from federal and state sources had a serious impact on their revenues. An **article** on the ARRL website discusses this matter in more detail. When discussing electronic kit providers of the 20th century, Heathkit was the big Kahuna and is by far the largest part of this site. The best place to learn about the history of the company is in Chuck Penson's excellent books "Heathkit: A Guide to the Amateur Radio Products" and "Heathkit Test Equipment Products". There are a number of good Internet based information sources as well (see the **Heathkit Resources** page).

There were others who were perhaps a little less known. Among them were Allied Radio, EICO, EMC, Precise, Paco, Dynaco and Stancor. The goal of this site is to attempt to document the kits produced by all of these companies via product tables containing pictures, specifications, block diagrams, calibration info and clean schematics when available. Where available, the product tables will include links to other off site information resources.

Allied Radio (now known as Allied Electronics) is a company with a long eight decade history. It was founded in Chicago, IL. in 1928. Its purpose was to distribute radio parts for Columbia Radio Corp. By 1932, Allied was selling electronic parts by catalog. Storefront sales operations were established with the goal of selling to amateur radio operators and electronics experimenters. During WWII, Allied devoted itself to the war handling effort by government contracts and high-priority industrial needs. This was Allied's first real experience in industrial electronics.

After the war, Allied continued to sell to the consumer and industrial markets. Sometime around 1962, Allied Electronics was created as a subsidiary of Allied Radio. In 1971, Allied was acquired by Tandy (now **Radio Shack Corp.**) and moved its headquarters to Fort Worth, Texas.

Around 1981, **Spartan Manufacturing** acquired the company. In 1997, Avnet took over ownership. In 1999, Allied Electronics was acquired by **Electrocomponents plc** of the United Kingdom. Allied Electronics continues to sell electronic components by catalog and Internet ordering.

Allied Radio produced a line of kits under the Knight label. They were called Knight-Kits. Although not as extensive a line as Heathkit, they had many offerings in test equipment. Amateur radio, SWL, audio, entertainment and educational/ experimenter kits rounded out their product line.

EICO, or Electronic Instrument Company, started life around 1945 in Brooklyn New York. Like Allied Radio, most of their kit products were test equipment although audio and some ham and CB products became another important part of their line. Their products were sold direct, through distributors, dealers and even through the Allied catalog. At some point in their history, they dropped out of the electronics business and got into the selling and mortgaging of commercial real estate. **EMC**, which stands for Electronic Measurements Corporation, was a supplier of test equipment in both kit and assembled form. They were based in Westbury, L.I., New York. Their products were generally lower end technology with lower prices. Their slogan was "EMC gives more measurement value per dollar". EMC products were marketed through electronics magazines and some electronics stores. Their line was never as extensive as the other kit providers but they did fill a need.

Precise Electronics & Development Corp. was a company that marketed test equipment. At different times they were based in Mineola and Oceanside, N.Y. Their product line was small compared to their competition. In order to differentiate themselves, they added features not commonly found. Their oscilloscopes featured larger screens. Some of their products were listed in the 1962 Allied catalog.

PACO was a division of Precision Apparatus Co. (a subsidiary of Pacotronics). Later they became a division of Dynascan Corp. They were a relatively small player in the kit market. They only sold test equipment and Hi-Fi kits. Like EMC, they sold products in both kit and assembled form. They were based at 70-31 84th St., Glendale 27, Long Island, N.Y

Dynaco was a provider of quality audio kits. The company was formed by David Hafler and Ed Laurent in Philadelphia in 1954. It lasted until 1980. In 1990, a British company and affilliate of **Panor Corp.** called Marlborough Enterprises Ltd, acquired the name. An excellent history of the company is available **here**. Dynaco products were very good with regards to price/performance.

Stancor was a pre-WWII manufacturer of electronic components. They had an extensive line of transformers and chokes. In addition, they offered a series of amateur transmitter kits. I believe that their kit products were available from the 1930's through the late 1940's. As such, this company predates the other companies listed here.

Conar Instruments Company was part of the National Radio Institute (NRI). NRI was a private correspondence school based in Washington, D.C. The name CONAR is derived from the first letters of "COmpany, NAtional Radio". Their role was to supply test equipment to NRI students and graduates. Their first kit went to market in 1962. The main focus of their offerings was radio and TV service test equipment but they offered other devices as well. They added Ham items over time. NRI ceased operations in 1999.

www.nostalgickitscentral.com/

DX Operating News and Information Credit for the below information and further information on these operations and others can be found at the following website: http://www.ng3k.com

Start	End	DXCC	Call	QSL via	Reported by	Information
2016 Nov01	2016 Nov11	Bonaire	PJ4L	LotW	DXW.Net 20160929	By ON7TQ ON6KX; SSB CW + digital; QSL also OK via ON3CQ (Buro or direct)
2016 Nov02	2016 Nov08	Palau	T88AB	JR1UBR	<u>TDDX</u> 20160913	By JR1UBR fm Koror I; 40-6m; SSB; 1kw; QSL OK via JARL Buro or direct
2016 Nov03	2016 Nov09	Barbados	8P	JH4IFF Direct		By JH4IFF as 8P9JH and JH4CES as 8P9IP fm NA-021; 80-10m; CW SSB RTTY; 8P9IP QRV for IPARC Contest; QSL: Mitsumasa Uto, 681 Tatsukawa, Akaiwa, Okayama 709-0815, Japan
2016 Nov04	2016 Nov12	St Lucia	J6	LotW	<u>OPDX</u> 20160502	By AA4OC as J68OC, N7BF as J68BF, WT4BT as J68MT, W6ABM as J6/W6ABM, AK5SD as J6/ AK5SD, NX8G as J6/NX8G; 80-10m; CW SSB + digital; QSL also OK via home_calls
2016 Nov04	2016 Nov14	Cambodia	<u>XU7MDC</u>	LotW	MDXC 20160420	By IZ8CCW I2VGW + 20 op team fm Sihanoukville; focus on low bands; focus on digital; 5 stations; 24x24 hours; QSL also OK via IK2VUC (Buro or direct)
2016 Nov05	2016 Nov12	St Lucia	J6		DXW.Net 20160812	By N7BF as J6/N7BF, WT4BT AA4OC W6ABM AK5SD NX8G likewise fm Chateau Devaux, Cap Estate (island north tip); 80-10m; all modes
2016 Nov06	2016 Nov13	Bonaire	PJ4	LotW	<u>DXW.Net</u> 20161014	By N5JR as PJ4/N5JR, NT5V K5JP likewise; 160- 10m; CW SSB RTTY; QSL also OK via home_call (Buro or direct)
2016 Nov06	2016 Nov16	Micronesia	V63AJ	DF8AN	<u>DXNews</u> 20160715	By DF8AN fm Yap I (OC-012); HF; CW, some RTTY PSK
2016 Nov06	2016 Nov16	Senegal	<u>6V1IS</u>	Club Log	IK7JWX 20160617	By IK7JWX IS0AGY IS0BWM IS0FQK IZ7ATN IS0FFR IW7EGQ fm Isole Ngor e Goree (AF-045); 160-6m; SSB CW PSK31-63-125 RTTY, perhaps SSTV; QSL also OK via IK7JWX direct and eQSL
2016 Nov07	2016 Dec02	Tanzania	5H3MB	LotW	<u>DXNews</u> 20160927	By IK2GZU; 80-10m; SSB CW RTTY; dipoles + ground plane; QSL also OK via IK2GZU (Buro or direct), Club Log, and eQSL
2016 Nov09	2016 Dec06	Mauritius	<u>388</u>	DJ7RJ Direct	AA1M 20161017	By DJ7RJ as 3B8/DJ7RJ; 160-10m, focus on 160m; 500w

2016 Nov10	2016 Nov16	West Kiribati	Т30	Home Call	<u>TDDX</u> 20161020	By JA1KJW as T30KJ, JA3MCA as T30MA, JA8VA as T30VE, JA1JQY as T30JY fm Tarawa I (OC-017); 160-10m; SSB CW RTTY
2016 Nov10	2016 Nov22	Central African Rep	<u>TL8AO</u>	LotW	DXW.Net	By LA7GIA fm Bangui; 80-10m; mainly CW; QSL also OK via LA7GIA
2016 Nov10	<u>new</u> 2016 Nov22	Curacao	PJ2	Club Log	<u>DXW.Net</u> 20161026	By PA3EYC as PJ2/PA3EYC; 160-10m; mainly CW; holiday style operation
2016 Nov11	2016 Nov18	Saba & St Eustatius	PJ6M	K2HVN	<u>DXNews</u> 20160911	By K2HVN fm Saba I (NA-145); 40-10m; CW SSB; may use PJ6/K2HVN
2016 Nov15	2016 Nov17	Palau	T88QR	JJ1DQR	<u>DXW.Net</u> 20160915	By JJ1DQR fm Koror I; 80-6m; SSB
2016 Nov15	2016 Dec15	St Kitts & Nevis	V47JA	LotW	W5JON 20160117	By W5JON fm Calypso Bay, St Kitts; 160-6m, incl 60m; SSB; yagi on 6m, verticals, dipole; QSL also OK via W5JON direct
2016 Nov16	2016 Nov30	Kenya	5Z4	Home Call	DJ6TF 20161019	By DJ6TF as 5Z4/DJ6TF and DL7KL as 5Z4/ DL7KL fm Diani Beach; 80-10m; CW SSB; 500w; R7 + wire on 80m
2016 Nov16	2016 Dec05	Cambodia	XU7AEZ	LotW	<u>OPDX</u> 20160905	By Russian team fm Koh Rong Samloem I (AS- 133); HF; various modes; QSL also OK via RC3C
2016 Nov17	2016 Nov20	Guam	KH2	DF8AN	<u>TDDX</u> 20160722	By DF8AN as KH2/DF8AN; HF; CW, some RTTY PSK
2016 Nov18	2016 Nov21	Fernando de Noronha	PY0F	PT7WA Direct	DXNews 20161014	By PV8IG as PY0F/PV8IG fm SA-003; HF; QSL: Luciano Sampaio de Souza, PO Box 825 - AC Monte Castelo, 60325-970 Fortaleza - CE, Brazil
2016 Nov18	2016 Nov25	St Barthelemy	TO2EE	K2HVN	DXNews 20160911	By K2HVN fm NA-146; 40-10m; CW SSB; may use PJ6/K2HVN
2016 Nov19	2016 Nov26	St Barthelemy	<u>FJ</u>	LotW	KO8SCA 20160913	By KO8SCA as FJ/KO8SCA; 160-10m; CW SSB + digital; 500w; BigIR vertical; holiday style operation; QSL also OK via Club Log

2016 Nov20 New	2016 Dec03	Maldives	<u>8Q7SP</u>	LotW		By SP6EQZ SP2FAX SP3CYY SP3FZN SP6FXY SP6JIU SP9FOW SP3SLA fm Dhiffushi I (AS- 013); 160-10m; CW SSB RTTY; QSL also OK via SP6FXY Buro and Club Log
2016 Nov20	2016 Nov23	Nepal	9N7NZ	JA6GWX Direct	JA6GWX 20161016	By JA6GWX; HF; SSB CW
2016 Nov20	2016 Dec25	DR Congo	9Q0HQ/3	Club Log	<u>TDDX</u> 20160916	By IS0BWM; all bands; SSB; QSL also OK via IS0BWM direct w/ 2USD
2016 Nov21	2016 Nov29	Curacao	PJ2	LotW	<u>DXNews</u> 20160810	By VE7ACN as PJ2/VE7ACN fm SA-099; 40-10m, perhaps 80m; mainly CW, some SSB; holiday style operation; QSL also OK via VE7ACN
2016 Nov21	2016 Nov30	Turks & Caicos	VP5	AA4NC Direct	AA4NC 20161026	By AA4NC as VP5/AA4NC; 160-10m; CW SSB RTTY; holiday style operation
2016 Nov21	2016 Dec01	Ascension I	ZD8V	LotW	<u>TDDX</u> 20160929	By K0AV; 160-10m; mainly CW; QSL also OK via K0AV and Club Log
2016 Nov22	2016 Nov30	Honduras	HR2	LotW	AJ9C 20160825	By AJ9C as HR2/AJ9C; 160-10m; CW SSB RTTY; QSL also OK via AJ9C direct
2016 Nov24	2016 Dec01	Chatham Is	<u>ZL7</u>	LotW	<u>OPDX</u> 20160516	By JA1XGI as ZL7/JA1XGI fm OC-038; 160-10m; mainly CW, some RTTY JT65 PSK; verticals; QSL also OK via JA1XGI, Buro or direct
2016 Nov24	2016 Dec02	Easter I	CE0Y	Home Call	<u>DXNews</u> 20160202	By RZ3FW as CE0Y/RZ3FW and R4WAA as CE0Y/R4WAA fm SA-001; 160-10m; mainly CW, some SSB + digital; QSL via Club Log preferred
2016 Nov25	2016 Nov30	Micronesia	V63DX	JA7HMZ	JA7HMZ 20160904	By JA7HMZ fm Pohnpei; QRV for CQWW DX CW
		CQ Worldwide	DX Contes	t, CW (Nov 2	6-27, 2016)	Check for pericontest activity too.
2016 Nov30	2016 Dec08	Grenada	J3	LotW	<u>DXNews</u> 20160810	By VE7ACN as J3/VE7ACN fm Carriacou I (NA- 147, FK92gm); 40-10m, perhaps 80m; mainly CW, some SSB; holiday style operation; QSL also OK via VE7ACN

Contest and Special Event Operating News and Information

Data below as well as more information courtesy of the following website: http://www.hornucopia.com/contestcal/index.html.

Date Time Group	Contest and Special Event
0230Z-0300Z, Nov 2	Phone Fray
1300Z-1400Z, Nov 2 and	+ CWops Mini-CWT Test
1900Z-2000Z, Nov 2 and	
0300Z-0400Z, Nov 3	
2000Z-2100Z, Nov 2	+ UKEICC 80m Contest
1800Z-1900Z, Nov 3 (CW) and	+ NRAU 10m Activity Contest
1900Z-2000Z, Nov 3 (SSB) and	
2000Z-2100Z, Nov 3 (FM) and	
2100Z-2200Z, Nov 3 (Dig)	
0145Z-0215Z, Nov 4	+ NCCC RTTY Sprint
0230Z-0300Z, Nov 4	+ NCCC Sprint
0600Z-1000Z, Nov 5 and	+ IPARC Contest, CW
1400Z-1800Z, Nov 5	
1200Z, Nov 5 to 1200Z, Nov 6	+ Ukrainian DX Contest
1700Z-2100Z, Nov 5	+ RSGB International Sprint Contest, SSE
2100Z, Nov 5 to 0300Z, Nov 7	+ ARRL Sweepstakes Contest, CW
0600Z-1000Z, Nov 6 and	+ IPARC Contest, SSB
1400Z-1800Z, Nov 6	
0800Z-1200Z, Nov 6	+ EANET Sprint
0900Z-1100Z, Nov 6 and	+ High Speed Club CW Contest
1500Z-1700Z, Nov 6	
1100Z-1700Z, Nov 6	+ DARC 10-Meter Digital Contest
0200Z-0400Z, Nov 8	+ ARS Spartan Sprint
0230Z-0300Z, Nov 9	+ Phone Fray
1300Z-1400Z, Nov 9 and	+ CWops Mini-CWT Test
1900Z-2000Z, Nov 9 and	
0300Z-0400Z, Nov 10	
2000Z-2100Z, Nov 9	+ RSGB 80m Club Sprint, SSB
0145Z-0215Z, Nov 11	+ NCCC RTTY Sprint
0230Z-0300Z, Nov 11	+ NCCC Sprint
0000Z, Nov 12 to 2359Z, Nov 13	+ WAE DX Contest, RTTY
0001Z, Nov 12 to 2359Z, Nov 13	+ 10-10 Int. Fall Contest, Digital
0700Z, Nov 12 to 1300Z, Nov 13	+ JIDX Phone Contest
1200Z, Nov 12 to 2400Z, Nov 13	+ SKCC Weekend Sprintathon
1200Z, Nov 12 to 1200Z, Nov 13	+ OK/OM DX Contest, CW
1400Z, Nov 12 to 0200Z, Nov 13	+ Kentucky QSO Party
1900Z-2300Z, Nov 12 (CW/Digital) and	+ CQ-WE Contest
0100Z-0500Z, Nov 13 (Phone) and	
1900Z-2300Z, Nov 13 (Phone) and	
0100Z-0500Z, Nov 14 (CW/Digital)	
0230Z-0300Z, Nov 16	+ Phone Fray
1300Z-1400Z, Nov 16 and	+ CWops Mini-CWT Test
1900Z-2000Z, Nov 16 and	
0300Z-0400Z, Nov 17	

Reminders fm da Prez:

<u>ext Meeting</u>: Monday December 6, 2016 19:00-20:45 West Boca Library

2017 Membership Renewal:

Renew your membership with BRARA. In addition to sending your check to our P.O.Box, you can renew your membership at the next meeting or at our weekly meetings. Renewals begin October 1 and are due by January 31.

Along with your renewal, please consider a donation to the Repeater Antenna Fund. We need your help!



2016 Tax Donation Letters

Tax Donation letters will be emailed for all the 2016 donations. Please turn in your receipts by January 15 to take advantage of this.

0130Z-0330Z, Nov 17	+ NAQCC CW Sprint
0145Z-0215Z, Nov 18	+ NCCC RTTY Sprint
0230Z-0300Z, Nov 18	+ NCCC Sprint
1600Z-2200Z, Nov 18	+ YO International PSK31 Contest
0000Z, Nov 19 to 2359Z, Nov 20	+ ARRL EME Contest
1000Z, Nov 19 to 1000Z, Nov 20	+ SARL Field Day Contest
1200Z, Nov 19 to 1200Z, Nov 20	+ LZ DX Contest
1600Z, Nov 19 to 0700Z, Nov 20	+ All Austrian 160-Meter Contest
1700Z-1859Z, Nov 19	+ Feld Hell Sprint
1900Z-2300Z, Nov 19	+ RSGB 2nd 1.8 MHz Contest, CW
2100Z, Nov 19 to 0300Z, Nov 21	+ ARRL Sweepstakes Contest, SSB
1300-1500Z, Nov 20 (40m) and	+ Homebrew and Old-time Equipment Party
1500-1700Z, Nov 20 (80m)	
0200Z-0400Z, Nov 21	+ Run for the Bacon QRP Contest
0000Z-0200Z, Nov 23	+ SKCC Sprint
0230Z-0300Z, Nov 23	+ Phone Fray
1300Z-1400Z, Nov 23 and	+ CWops Mini-CWT Test
1900Z-2000Z, Nov 23 and	
0300Z-0400Z, Nov 24	
2000Z-2100Z, Nov 24	+ RSGB 80m Club Sprint, CW
0145Z-0215Z, Nov 25	+ NCCC RTTY Sprint
0230Z-0300Z, Nov 25	+ NCCC Sprint
0000Z, Nov 26 to 2400Z, Nov 27	+ CQ Worldwide DX Contest, CW
0230Z-0300Z, Nov 30	+ Phone Fray
1300Z-1400Z, Nov 30 and	+ CWops Mini-CWT Test
1900Z-2000Z, Nov 30 and	
0300Z-0400Z, Dec 1	
2000Z-2100Z, Nov 30	+ UKEICC 80m Contest

December 2016 Presentation:

Airplane Signals

There are approximately 300,000 private, commercial or airline transport pilots registered in the U.S. and on any day there could be 50,000 flying. This is approximately the same amount of amateur radio licensed operators that there are registered in the US.

Today, a pilot only needs to be licensed to operate a radio if he uses an HF radio or conducts flight internationally. All aircraft are required to be individual or fleet *station* licensed, even if they carry only an emergency locator beacon.

Today's modern aircraft radiates, and is susceptible to lots of EMF as they say "from DC to blue light".

This presentation will help understand the systems, spectrum, diversity of protocols, power levels and safety issues associated with these emissions so that you can understand and avoid signals, in the hopes of avoiding interference and have some fun listening in on some of these signals.

TALARC Monthly Nets

EchoLink, 20-Meter, and IRLP Nets meet the 2nd Saturday of each month. 40-Meter Net meets the 3rd Sunday of each month. D-Star Nets meet the 1st and 3rd Mondays of each month.

Note: Access to the *FMCA-ARC* EchoLink Conference Node cannot be made via a Repeater.

Mode	Day	Date	Time [Zulu]		Band	Where to find the Net
EchoLink	Saturday	June 11	12 Noon ET	[1600Z]		*FMCA-ARC* Conference
HF	Saturday	June 11	1:00 PM ET	[1700Z]	20 meters	14.275 MHz [+/- 5 KHz]
IRLP	Saturday	June 11	2:00 PM ET	[1800Z]	2 meters	Node 9735 [K9DC-Indy]
HF	Sunday	June 19	6:00 PM ET	[2200Z]	40 meters	7.243 MHz [+/- 5 KHz]
D-Star	Monday	June 20	9:00 PM ET	[0100Z]		REF 026A
D-Star	Monday	July 4	9:00 PM ET	[0100Z]		REF 026A

You know it's bad when...you start hearing CW all the time, and there really isn't any... Clinton Herbert [AB7RG]

The difference between involvement and commitment is like ham and eggs. The chicken is involved; the pig is committed.

Martina Navratilova