



# the *Radio Flyer*, a *BRARA* Newsletter

July 2017

## *BRARA* Calendar:

09:00-13:00 Sat 01-Jul-17

Ham Shack Work & Radio Day

20:00-21:00 Sun 02Jul17 (443.300)

DMR-FL-LO Tech Net [TS2 TG2]

19:00 Mon 03-Jul-17 (145.29 [110.9])

Monday Night Nets

**Tue 04-Jul-17 Independence-Day**

09:00-12:00 Wed 05-Jul-17

Ham Shack Work & Radio Day

09:00-13:00 Sat 08-Jul-17

Ham Shack Work & Radio Day

20:00-21:00 Sun 09-Jul-17 (443.300)

DMR-FL-LO Tech Net [TS2 TG2]

19:00 Mon 10-Jul-17 (145.29 [110.9])

Monday Night Nets

19:00-21:00 Tue 11-Jul-17

Club Meeting @ West Boca Library

09:00-12:00 Wed 12-Jul-17

Ham Shack Work & Radio Day

09:00-12:00 Sat 15-Jul-17

Ham Shack Work & Radio Day

20:00-21:00 Sun 16-Jul-17 (443.300)

DMR-FL-LO Tech Net [TS2 TG2]

19:00 Mon 17-Jul-17 (145.29 [110.9])

Monday Night Nets

09:00-12:00 Wed 19-Jul-17

Ham Shack Work & Radio Day

09:00-12:00 Sat 22-Jul-17

Ham Shack Work & Radio Day

20:00-21:00 Sun 23Jul17 (443.300)

DMR-FL-LO Tech Net [TS2 TG2]

19:00 Mon 24-Jul-17 (145.29 [110.9])

Monday Night Nets

09:00-12:00 Wed 26-Jul-17

Ham Shack Work & Radio Day

09:00-12:00 Sat 29-Jul-17

Ham Shack Work & Radio Day

12:00 Noon Sun 30-Jul-17

Deadline for Newsletter Input

20:00-21:00 Sun 30Jul17 (443.300)

DMR-FL-LO Tech Net [TS2 TG2]

19:00 Mon 31-Jul-17 (145.29 [110.9])

Monday Night Nets

19:00-21:00 Tue 01-Aug 17

Club Meeting @ West Boca Library



## *This Month's Speaker*

This month (11-Jul), Steve Iker (K3S3K) will give a presentation on CW Contesting for Non-CW Operators. Steve's Bio-Sketch is on page 7.

Next month (1-Aug) Ed Callaway (N4II) will give a presentation entitled "Information for DXing".

In September (5-Sep), Jesse Sheinwald (N2CA) will give a presentation on interpreting and using the Smith Chart.



## *Repeater, HSMM, & Ham Shack News*

Even though the new Shack is operational, there are still a lot of areas for innovation 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. The work on the new 2m antenna and connections are completed

Repeater 2m/70cm linking as well as the time stamp are still works in progress. We are still fund 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.

## *QSL Report <sup>n4ii</sup>*

As we closed out the Month, N4BRF has logged in 2,797 QSLs 8,566 QSOs (32.6%) on LoTW.

**DXCC Account Status:** New this month Hong Kong (VR2). Awards received: Mixed, CW, Phone, 20m, 17m, 15m and 10m. We are now 266 Mixed DXCC.

**WAS Account Status:** New this month: NY, 6m Digital (JT65). Awards issued: Mixed, 20m, CW, Phone, Digital, Triple Play, RTTY. Nothing new this month: DE-40m CW. We still need:

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

We have received the following QSOs from Field Day activities:

- 176 (+0) QSLs from 2012,
- 184 (+0) QSOs from 2013
- 258 (+0) QSOs from 2014
- 283 (+2) QSOs from 2015
- 155 (+0) QSOs from 2016

**VUCC Account Status:** Nothing new this month.

Update at the next Club Meeting.



## What's A Moxon?

The goal of this website is to share the experiences of MOXON antenna builders everywhere.

Invented by Les Moxon, G6XN, the MOXON is a stealthy gain antenna that's inexpensive and fun to build. The Moxon is especially attractive to hams who want to avoid purchasing more expensive towers and rotors and desire a directional antenna. For their size they're high performance antennas

<http://www.moxonantennaproject.com/>

## Honey, I Shrunk the Tube

Consider this, a vacuum tube that uses a filament (heater) voltage of .7V, Anode (Plate) Voltage of 80V, is a twin triode and is in a package that is 1.8"x .7"x.25". That's not much bigger than some IC chips.



Meet the Nutube 6P1. The 6P1 was developed by Noritake Itron in Japan and first announced at NAMM 2015. Korg, a musical instrument company allied with Noritake and has announced musical instrument amplifiers using the new tube under the Vox brand.

The new tube is based on the technology behind vacuum fluorescent display tubes. You probably remember them from car radios in the early 80's. They are a greenish blue display and you may have noticed some orangish lines across the display. The displays have a lot in common with vacuum tubes - the orange lines were filaments for the display. Noritake is one of the leaders in Vacuum Fluorescent displays and used that experience to engineer the 6P1.

Among the advantages claimed for the Nutube are a 30,000 hour continuous lifetime, a reduction to just 2% of the power used by a conventional tube, and a size less than 30% of a conventional triode.

You may well be asking what this has to do with Amateur Radio, oh you silly goose. Check out the website of AC7L, Hans P Friedrichs, of Tucson, AZ, who demonstrated a working prototype radio receiver using a VFD display as an amplifier. And he did it 9 years ago!

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<http://hpfriedrichs.com/radioroom/vfd/rr-vfd.htm>



### FD17 Operators included:

N4II, N1QFH, W9IL, KM4MFW, N8IFQ, W2RT, WA8VSJ, WA3ZIC, N2NYR, KG4FUR, W4BFL, and N4BRF.

### FD17 Set-up/Take-down and Support crew included:

W4BFL, KG4FUR, WA8VSJ, N1QFH W2RT, W9IL, WA8VSJ, KM4MFW, KJ4QYE, N2NYR, W3CRN, N8IFQ, K2TGQ, KM4MFX, WA3ZIC, KW4QM and of course our Event Chief- Milagros Zaza.

## So you think Field Day is over until next June—Guess Again!

Just when you thought it was over and we could not think about it for another year; Winter Field Day is just on the horizon-27/28 Jan 2018.

Although designed for the colder climate states; it can serve as a primer for the annual June exercise.

Similar to what we just went through, there some subtle differences:

Modes include CW, SSB, AM, FM, PSK, RTTY, Satellite as well as DStar, C4FM, DMR, SCTV, Olivia.

Categories only include Indoor, Outdoor, and Home. We would be in the Indoor Category because we are in a temperature controlled environment.

Band Multipliers are applicable

Bonus points only include:

- 1500 if no commercial power (logging only computer may use commercial power)
- 1500 if your operation is Outdoors
- 1500 if your operation is remote
- 1500 for making a single QSO via Satellite

Scores are calculated as follows:

QSO Points x Power output Multiplier x Bands/Mode Multiplier + Bonus Points

Our Exchange would be N4BRF 3I SFL or N4BRF 3H SFL if we ran just as many stations as FD17. We would get bonus points in 3H for not using commercial power. Our exact Cat will have to be determined.

That being said, it is a good practice run for FD18.

## FD17 Preliminary Results

### Total FD17 Contacts by Band and Mode

Band	CW	Phone	Dig	Total	%	Pts/Q
80	0	0	26	26	3%	52
40	364	65	5	434	42%	803
20	376	39	29	444	43%	849
15	113	0	0	113	11%	226
10	0	7	0	7	1%	7
6	0	0	0	0	0%	0
<b>Total</b>	<b>853</b>	<b>111</b>	<b>60</b>	<b>1024</b>	<b>100%</b>	<b>1937</b>
	83%	11%	6%	100%		



## Monday Night Nets

### KG4FUR

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

- ⇒ New HAMS Net: 19:00-19:30.
- ⇒ BRARA Informational Net: 19:30-20:00. 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](http://www.qsl.net/k4wrc/PBC-BASIC-NBEMS.html) or simply Google "Palm Beach NBEMS"

## Scheduled Nets

Mon 20:00 S County  
145.290 -0.6 110.9

Tue 19:30 PBC NBEMS  
147.285 +0.6 103.5

## Other Local HAM Analog Repeater Nets

Daily 18:00 SEFL Traffic  
146.61 MHz

Tue 19:00 Boynton CERT  
443.1 MHz

Fri 09:00 SARNet:  
PBC 443.975 MHz  
FTL 442.850 MHz

## Scheduled DMR Nets

Day	EDST	Talk Group
Sun	2000	TG-2 (LO) FL Tech
Mon	1600	TG-13 (EN) UK Tech
Wed	2100	TG-03 (NA) NATech
Sat	1200	TG-01 (WW)

## Local DMR Repeaters

Location	Rx Freq	Color Code
Miami	442.2250	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
Stuart	440.7000	1
Naples	444.9850	1
Marco Island	444.8125	1

## 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 11:00 at the shack on the Saturday preceding the next General Meeting. Additional impromptu meetings may be held at the Shack on Wednesday and Saturday mornings.

## Donations & 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)

## Membership Application & Renewal

- ☐ \$25 Full Membership
- ☐ \$5 Associate Membership
- ☐ \$5 Family Mbr w/License

Name: \_\_\_\_\_

Call Sign: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

ARRL Member: ☐ Yes ☐ No

Birthday: Month: \_\_\_\_\_ Year: \_\_\_\_\_

License Grade: \_\_\_\_\_ Exp Date: \_\_\_\_\_

**Interests:** ☐ Field Day ☐ Ham Fest

☐ HF ☐ Digital ☐ DXing

☐ VHF ☐ Packet ☐ CW

☐ UHF ☐ Voice ☐ Contesting

☐ EmComm ☐ Skywarn ☐ Public Svc

☐ DMR ☐ MARS ☐ CERT

☐ Award Chasing ☐ Ragchewing

☐ Building & Experimenting ☐ Satellite

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.

## Amateur License Refresher

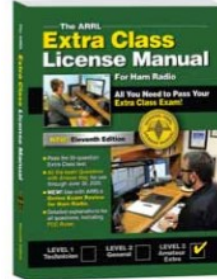
It's probably been awhile since you took your Amateur License exam. Here are a few sample questions just to keep those synapses firing.

### Extra Pool

E6B04

What type of semiconductor device is designed for use as a voltage-controlled capacitor?

- A. Varactor diode
- B. Tunnel diode
- C. Silicon-controlled rectifier
- D. Zener diode

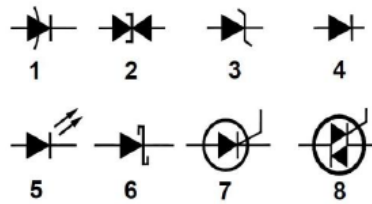


E6B10

In Figure E6-3, what is the schematic symbol for a light-emitting diode?

- A. 1
- B. 5
- C. 6
- D. 7

Figure E6-3

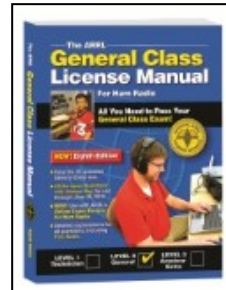


### General Pool

G9B01

What is one disadvantage of a directly fed random-wire antenna?

- A. It must be longer than 1 wavelength
- B. You may experience RF burns when touching metal objects in your station
- C. It produces only vertically polarized radiation
- D. It is not effective on the higher HF bands



G9B07

How does the feed-point impedance of a 1/2 wave dipole antenna change as the antenna is lowered from 1/4 wave above ground?

- A. It steadily increases
- B. It steadily decreases
- C. It peaks at about 1/8 wavelength above ground
- D. It is unaffected by the height above ground

### Answers to License Refresher:

- E6B04 (A)
- E6B10 (B)
- G9B01 (B)
- G9B07 (B)

## Newsletter Guidelines *kg4fur*

Thanks for all who submitted articles and I hope you continue to do so. We're also looking for new writers as well. Here are some guidelines for article submissions.

- Text should be in MS Word or equivalent, saved as a .DOC file. ASCII text written in an email works too.
- Write your best stuff, but don't sweat the grammar. That's why there's an editor.
- Please submit pictures/illustrations as separate files, don't embed them in the text.
- Be sure to submit clear, in-focus photos

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

Please send articles to  
KG4FUR@yahoo.com



## New Hams Corner *WA2NSW*

Buying that first radio

So many people ask, "What should I buy to get on the air?" There is NO simple answer to that question. A lot of the issue is how much do you want to spend? If you have a few hundred dollars then your options are wide. If you only have a few bucks then you might be best to either save up or buy a used HT. As a technician most people will opt for a HT anyway because they can get on a local repeater and talk to people. A lot of fun things happen with the route, you get practice in using a radio and you can participate in so many activities.

If you want to reach further away you will probably want more power. A mobile radio and a power supply would be the best choice for you. There are so many types of mobiles that you might be so confused you forget about it. As a fellow ham for a recommendation on what they use and like. Most hams will tell you to buy a such and such radio because they are the best. Right there I stop them and ask why is it the best. The answers are almost comical...fewer buttons to push, more power or "That is what Joe Ham has bought in the past!"

I like two manufacturers of radios and for totally different reasons. One is the company makes all kinds of radios, not just ham equipment. I work with commercial radios so I look for a lot of features and durability.

The inexpensive portables that have hit the marketplace in recent years are a great first radio and can be thrown into a go-bag as a second radio for emergency communications. A lot of people will buy them in pairs or packs so they always have a spare radio. At \$50 or less per radio it is a great investment.

If you want multiple bands in one radio that is a big feature that of course drives the cost up. But now you don't need double the space. In today's vehicles that can be a big selling point.

No matter what you are thinking always ask to try out a fellow hams rig to see if you like it. I was sold on a tri-band radio years ago just by seeing one and using it for a few minutes!

Find others who are purchasing at the same time. Often you can get a few dollars off the price because the vendor is shipping all to one address. The beauty in this is for programming everyone can use the same program and it only has to be built once!

Shop online, check with friends and test drive when you have a chance!





## Ham Humor

### Woman Creates Candles As Excuse To Attend Hamfests

By WBØRUR, on the scene

**WEST MOLINE, NE** - A Nebraska woman offered a line of "ham radio scented" candles just in time for purchase at the Dayton Hamvention. Maudie Carlisle of rural Milford County has been producing top-selling scented votives for over 20 years, but this is her first foray into amateur radio themed products.

She sells her wares - produced in her Nebraska root cellar - at over 50 arts and crafts fairs each year under the "Carlisle's Cornhusker Candles" brand.

"Usually, we sell floral scented candles...with names like 'Lilac Valley Surprise', 'Night in a Damp Rose Garden' and 'I See a Bright Chrysanthemum; Let's Pick It,'" says the gray haired grandmother, who adds that she became interested in candle making after taking a class at the local extension service office.

"My husband's been a ham radio operator for years, and he encouraged me to come up with "ham radio scented" candles so I can travel with him to hamfests," she says.

Carlisle's Cornhusker ham radio scented candles - stylishly designed to look good on any ham radio operating desk or fireplace mantel - will be offered in 5 intoxicating ham radio aromas:

- "My Finals are on Fire Musk"
- "Insulation burning off Power Leads"
- "Bitter, Bitter Coffee and Cigarette Smoke"
- "Somewone needs a Shower and it ain't Me"
- "I should have looked for the Cat before I fired up the Amplifier"

Maudie says that the Dayton Hamvention was her first big hamfest experience, although she has sold product at local hamfests; usually next to the lady selling doilies, the lady selling home-made jewelry and the guy selling bottles of grape juice with amazing healing properties.

Carlisle's Candles come in both 6 inch (\$5.99) and 12 inch (\$12.99) versions.

### hamhijinks.com

### Can It Be Activated? Yes!

By WBØRUR, on the scene

**PORT O' SMITHSON, AL** - Hoping to fill a ham radio void, the Marshy Plains Amateur Radio Club of Mid-Alabama (MPARCMA) has announced a new on-air operating event.

In response to the popular NRRL National Pizza Ovens On the Air (which concluded last year) MPARCMA has unveiled plans for "Literally Anything On the Air."

"It's a no-holds-barred thing," explains President Jefferson Dillweed.

"We don't care what you activate: summits, valleys, armchairs or one lane bridges - it doesn't matter!" he exclaimed.



The club says there are no rules - just upload contacts to NRRL's Logbook of the Globe and watch the award certificates pile up on your door step. (For a small processing, handling and postage fee.)

"Go have fun and get the mics humming and keys clicking," says Dillweed, "activating literally anything on the air."

#### FAQS:

- Can I activate a state park? YES
- Can I activate my town square? YES
- Can I activate the dog's kennel? YES
- Can I activate that new credit card I got in the mail today? YES AND THEN USE IT TO BUY A RADIO AND ACTIVATE LITERALLY ANYTHING.

Editor's Note: You can activate literally anything.

### www.HamHijinks.com



**No Smoking**

UNLESS YOU'RE A RADIO WITH A SHORTED CAPACITOR.

**LIFE IS SIMPLE**



## 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>.

Contest and Special Event	Date Time Group
+ RAC Canada Day Contest	0000Z-2359Z, Jul 1
+ FISTS Summer Slow Speed Sprint	0000Z-0400Z, Jul 1
+ Venezuelan Ind. Day Contest	0000Z-2359Z, Jul 1
+ DL-DX RTTY Contest	1100Z, Jul 1 to 1059Z, Jul 2
+ Marconi Memorial HF Contest	1400Z, Jul 1 to 1400Z, Jul 2
+ Original QRP Contest	1500Z, Jul 1 to 1500Z, Jul 2
+ PODXS 070 Club 40m Firecracker Sprint	2000Z, Jul 1 to 2000Z, Jul 2
+ 10-10 Int. Spirit of 76 QSO Party	0001Z, Jul 3 to 2400Z, Jul 9
+ IQRP Quarterly Marathon	0800Z, Jul 3 to 2000Z, Jul 9
+ RSGB 80m Club Championship, CW	1900Z-2030Z, Jul 3
+ ARS Spartan Sprint	0100Z-0300Z, Jul 4
+ Phone Fray	0230Z-0300Z, Jul 5
+ CWops Mini-CWT Test	1300Z-1400Z, Jul 5 and 1900Z-2000Z, Jul 5 and 0300Z-0400Z, Jul 6
+ NRAU 10m Activity Contest	1700Z-1800Z, Jul 6 (CW) and 1800Z-1900Z, Jul 6 (SSB) and 1900Z-2000Z, Jul 6 (FM) and 2000Z-2100Z, Jul 6 (Dig)
+ QRP Fox Hunt	0100Z-0230Z, Jul 7
+ NCCC RTTY Sprint	0145Z-0215Z, Jul 7
+ NCCC Sprint	0230Z-0300Z, Jul 7
+ FISTS Summer Unlimited Sprint	0000Z-0400Z, Jul 8
+ IARU HF World Championship	1200Z, Jul 8 to 1200Z, Jul 9
+ SKCC Weekend Sprintathon	1200Z, Jul 8 to 2400Z, Jul 9
+ CQC Great Colorado Gold Rush	2000Z-2159Z, Jul 10
+ QRP ARCI Summer Homebrew Sprint	2000Z-2359Z, Jul 9
+ Phone Fray	0230Z-0300Z, Jul 12
+ CWops Mini-CWT Test	1300Z-1400Z, Jul 12 and 1900Z-2000Z, Jul 12 and 0300Z-0400Z, Jul 13
+ RSGB 80m Club Championship, SSB	1900Z-2030Z, Jul 12
+ QRP Fox Hunt	0100Z-0230Z, Jul 14
+ NCCC RTTY Sprint	0145Z-0215Z, Jul 14
+ NCCC Sprint	0230Z-0300Z, Jul 14
+ Russian Radio Team Championship	0700Z-1459Z, Jul 15
+ Trans-Tasman Low-Bands Challenge	0800Z-1400Z, Jul 15
+ DMC RTTY Contest	1200Z, Jul 15 to 1200Z, Jul 16
+ Feld Hell Sprint	1200Z-1359Z, Jul 15
+ North American QSO Party, RTTY	1800Z, Jul 15 to 0559Z, Jul 16
+ CQ Worldwide VHF Contest	1800Z, Jul 15 to 2100Z, Jul 16
+ RSGB Low Power Contest	0900Z-1200Z and 1300Z-1600Z, Jul 16
+ Run for the Bacon QRP Contest	0100Z-0300Z, Jul 17

### Da Pres says:

#### Next Meeting:

**Tuesday**  
**11-July-2017**  
**19:00-20:45**  
**West Boca Library**

**FD17 is behind us, but not forgotten. Special thanks to all those who made it a success this year. I think that we all had fun! I did.**

**July and August are going to be very busy months at the shack and for the Club.**

**Saturdays July 8 and 15, we will be concentrating on sorting inventory and reorganizing both the shack storage room and the shed. N1QFH has taken the reins on this. We will need more hands.**

**Saturday afternoons July 22 and 29, we will be offering DMR Basic Training, W4AEQ and KM4MFW will be assisting on this**

**We will be offering Tech Class Training/Laurel testing the first weekend in August at the Shack and Free Laurel Ham License testing Thursday Evening Aug 10.**

*My father hated radio and could not wait for television to be invented so he could hate that too.*

*Peter DeVries*

*If it weren't for Philo T. Farnsworth, inventor of television, we'd still be eating frozen radio dinners.*

*Johnny Carson*

Contest and Special Event	Date Time Group
+ Phone Fray	0230Z-0300Z, Jul 19
+ CWops Mini-CWT Test	1300Z-1400Z, Jul 19 and 1900Z-2000Z, Jul 19 and 0300Z-0400Z, Jul 20
+ NAQCC CW Sprint	0030Z-0230Z, Jul 20
+ QRP Fox Hunt	0100Z-0230Z, Jul 21
+ NCCC RTTY Sprint	0145Z-0215Z, Jul 21
+ NCCC Sprint	0230Z-0300Z, Jul 21
+ SA Sprint Contest	2000Z-2400Z, Jul 22
+ SKCC Sprint	0000Z-0200Z, Jul 26
+ Phone Fray	0230Z-0300Z, Jul 26
+ CWops Mini-CWT Test	1300Z-1400Z, Jul 26 and 1900Z-2000Z, Jul 26 and 0300Z-0400Z, Jul 27
+ RSGB 80m Club Championship, Data	1900Z-2030Z, Jul 27
+ QRP Fox Hunt	0100Z-0230Z, Jul 28
+ NCCC RTTY Sprint	0145Z-0215Z, Jul 28
+ NCCC Sprint	0230Z-0300Z, Jul 28
+ Feld Hell Sprint	0000Z-2359Z, Jul 29
+ RSGB IOTA Contest	1200Z, Jul 29 to 1200Z, Jul 30
+ ARS Flight of the Bumblebees	1700Z-2100Z, Jul 30



My brain is only a receiver, in the Universe there is a core from which we obtain knowledge, strength and inspiration. I have not penetrated into the secrets of this core, but I know that it exists.

— Nikola Tesla —

AZ QUOTES

## 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

## Speaker Bio-Synopsis:

**Bio Sketch:** Steve's ham radio career began in high school in 1968 with a Novice license (WN2EAJ), followed a year later with a General license (WA2EAJ) and then an Advanced license several years after that. He upgraded to Amateur Extra in 2013 (KS3K). While living in Pennsylvania, Steve was the VP and newsletter editor for the Mid-Atlantic Amateur Radio Club for 6 years. Steve is currently the VP for the West Palm Beach Amateur Radio Group (WPBARG), a member of the Palm Beach County ARES and member of the Palms West Amateur Radio Club (PWARC), the Boca Raton Amateur Radio Association (BRARA), the Quarter Century Wireless Assn (QCWA) and the South Florida DX Association (SFDXA). Steve enjoys contesting, DXing and operating the digital modes from his antenna restricted home in Boynton Beach.

## Synopsis: CW Contesting for Non-CW Operators

Using a combination of software and hardware, you can decode incoming Morse Code (CW) transmissions and use macros to send CW exchanges. You can make contacts in CW contests with little or no knowledge of CW and build up your DXCC or state totals and have a lot of fun along the way.

“When radio keeps silent, our ears shall never hear the real details!”

Ernest Agyemang  
Yeboa



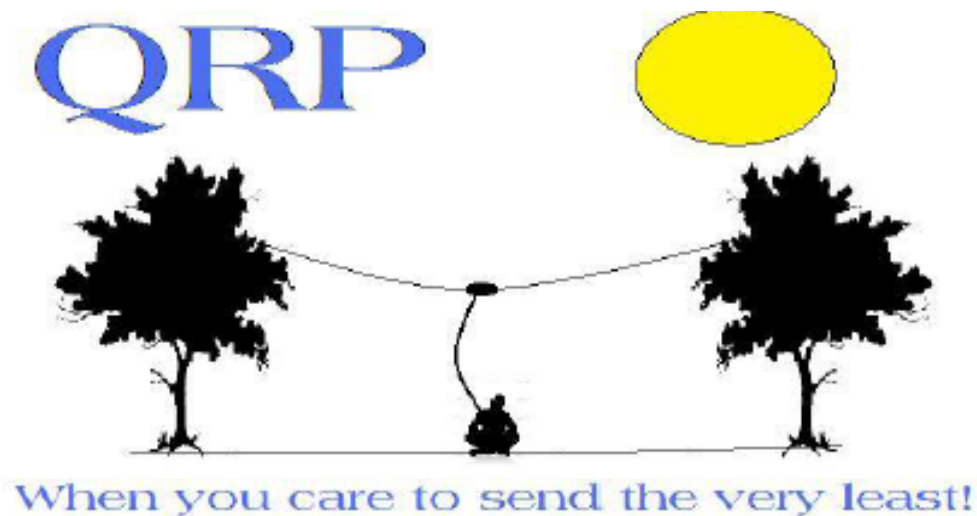
## DX Operating News and Information

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
2017 Jun24	2017 Jul01	Christmas I	VK9AA	LotW	DXNews	By HL1AHS fm IOTA OC-002 (OK20uj); 80-6m; CW SSB RTTY PSK31; VDA + G5RV; QSL also OK via HL1AHS direct: Sookun Chae, 1007 Jeil Bldg, 379 Yeouidaebang-ro, Yeoungdeungpo-Gu, Seoul, 07333, South Korea
2017 Jun24	2017 Jul01	Svalbard	JW7QIA	LA7QIA	TDDX	By LA7QIA; focus on 6m, perhaps 70Mhz; CW SSB + digital
2017 Jun26	2017 Jul06	Maldives	8Q7RN	LotW	G4IRN	By G4IRN; CW; 100w; wires; holiday style operation; QSL also OK via G4IRN and Club Log
2017 Jun27	2017 Jul08	Haiti	4V1G	W3HNC	TDDX	By W3CMP N3BNA; focus on 6 4m
2017 Jun28	2017 Jul02	Palau	T88TJ	Home Call	DXNews	By JR1FKR as T88TJ and JH1MLO as T88HR fm Koror I (IOTA OC-009); 80-15m; SSB RTTY
2017 Jun28	2017 Jul04	East Kiribati	T32AZ	KH6QJ	425DXN	By KH6QJ fm Christmas I, (IOTA OC-024); 80-10m (no WARC)
2017 Jun28	2017 Aug14	Bolivia	CP1XRM	LotW	TDDX	By EA5RM; SSB + digital; spare time operation; QSL also OK via EA5RM direct
2017 Jun29	2017 Jul09	Isle of Man	GD4SKA	M0OXO	425DXN	By GW4SKA fm IOTA EU-116; HF; RTTY JT64
2017 Jun29	2017 Jul17	French Polynesia	TX5EG	LotW	DXNews	By F6BCW F6DTZ F6IPT F1MNQ F1TCV fm Huahine I (IOTA OC-067); 80-12m; QSL also OK via F6BCW (Buro or direct), Club Log, eQSL
2017 Jul01	2017 Jul07	Market Reef	OJ0V	ON5TC	DXW.Net	By ON5TQ ON6QO ON2KMJ ON8VP fm IOTA EU-053; 80-10m; CW SSB
2017 Jul01	2017 Jul09	Crete	SX9VK	LotW	SV1JG	By VK2IR SV1JG SV1GE SV1ME SV1AJO fm IOTA EU-187; HF + 6m; CW SSB RTTY; QSL also OK via SV1JG (Buro or direct) and Club Log
2017 Jul01	2017 Jul09	St Kitts & Nevis	V4		TDDX	By KE1B as V4/KE1B and W6NN as V4/W6NN; 40-10m; 100w; Buddipole; QRV M/2 for IARU Contest using V4/KE1B
2017 Jul03	2017 Jul14	Laos	XW4XR	LotW	TDDX	By 3W3B; 40-10m, perhaps 6m; CW RTTY JT65; QSL also OK via E21EIC
2017 Jul04	2017 Jul18	St Pierre & Miquelon	FP	LotW	TDDX	By KV1J as FP/KV1J; 160-6m; SSB RTTY, some CW + digital; QSL also OK via KV1J (Buro or
2017 Jul06	2017 Jul09	Luxembourg	LX	Home Call	PG5M	By PA5X as LX/PA5X and PG5M as LX/PG5M; 160-10m; CW SSB JT65; QSL also OK via PG5M OQRS (see Web for details)
2017 Jul07	2017 Jul13	Vanuatu	YJ0GA	LotW	ZL3GA	By ZL3GA fm Benjor Beach Club, Efate I (IOTA OC-035, RH42ch); will look for west Europe at sunrise and sunset on 30 20m; WSPRlite on 20 or 30m; holiday style operation; QSL also OK via ZL3GA (Buro and direct) + Club Log



Start	End	DXCC	Call	QSL via	Reported by	Information
2017 Jul08	2017 Aug04	Nicaragua	YN2RP	LotW	TDDX	By NN3RP; 40-10m; CW PSK31 RTTY SSB + satellite; QSL NN3RP and eQSL
2017 Jul12	2017 Aug05	St Kitts & Nevis	V47JA	LotW	W5JON	By W5JON fm Calypso Bay, St Kitts; 160-6m, incl 60m; SSB; yagi on 6m, verticals, dipole; QRV for RSGB IOTA; QSL also OK via W5JON direct
2017 Jul13	2017 Jul20	Georgia	4L	See Info	DXNews	By DL7ZM as 4L/DL7ZM; 6m; fm 3300m mountain top; QSL direct: David Pommerenke, 205 Sooter Lane, Rolla, MO, 65401, USA
2017 Jul18	2017 Aug01	Maldives	8Q7PW	G4PWO	DXW.Net	By G4PWO fm Fonimagoodhoo I (IOTA AS-013); likey, 40 20 17 15m; SSB + digital
2017 Jul20	2017 Jul24	Russia (Asia)	RI0C	Club Log	RA1ZZ	By RA7L RA1ZZ RW5D RK8A fm Iony I (IOTA AS-069); 40-10m; CW SSB + digital; most needed Russian island, 2nd most needed Asian island
2017 Jul23	2017 Aug07	Antigua	V29SH	LotW	TDDX	By VE6SH; mainly 30 17m; Buddipole and wires; holiday style operation
<b>RSGB IOTA Contest (Jul 29-30, 2017)</b>						
2017 Jul29	2017 Aug06	Marquesas	TX5EG	LotW	TDDX	By F6BCW F6DTZ F1TCV K3EL fm Hiva Oa (IOTA OC-027); 80-12m; CW SSB; QSL also OK via F6BCW (Buro or direct), Club Log, eQSL



*A world without radio  
is a deaf world.*

*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.”*

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

**Martina Navratilova**

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

**Clinton Herbert [AB7RG]**



## Storage Closet and Shed Inventory & Reorganization

### **SATURDAY MORNING: 8 AND 15 JULY 2017:**

- Long overdue, the Club will sort and reorganize the Shack Storage Room and our stuff in the adjacent Storage Shed (read up the Rat's Nest)
- Our hope is to better catalog and organize our equipment and supplies, thus minimizing confusion, clutter and the time required to find something.
- This effort will not hinder Radio Telephone Operations in either the HF or VHF Rooms, but will require temporary sorting areas both in the Rag Chewing-Conference Room as well as within the fenced-in Antenna Farm and County enclosures. Please pardon our efforts, but they are necessary.
- As one man's junk is another man's treasure, you may want to see what we are throwing out. Besides, if you cart it off, we don't have to!



# BRARA DMR BASIC TRAINING



**1:00 – 5:00pm Sat  
22/29 Jul 2017**



**At the Ham Shack in West Delray Park**



**DMR**  
DIGITAL MOBILE RADIO ASSOCIATION

**10875 W Atlantic Ave, Delray Beach, FL**



## **Pre-Requisites:**

- CS750 or MD380/390 (we are teaching these radios)
- Programming Cable for radio (You need it to program)
- PC Laptop (current Windows pre-requisite for programing radio, no Macs)
- Programming Cable and CPS Software (maybe downloaded before class)
- CPS software (maybe downloaded before class/need for programming)
- Unique DMR-MARC ID (must be obtained prior to class to program radio)
- Tech License, Enthusiasm for DMR, willingness to learn

**First Day:** DMR for Dummies and basic programing

**Second Day:** Contact Manger (CS and TYT) and Oracle VM Box (TYT only)

**Talk-In Repeaters:** Analog 145.290 MHz (PL 110.9) or DMR 443.300 TS2 TG2

## **Contacts:**

- Gerry Gawaldo    561-706-8338    KG4FUR@yahoo.com
- Jeff Ronner        415-828-5458    W4AEQ.jeff@gmail.com
- John Quarquesso 954-415-0576    johnq@mig.cc



## Fort Pierce Hamfest

Start Date: 08/12/2017

End Date: 08/12/2017

Location: Indian River State College  
3209 Virginia Avenue  
Fort Pierce, FL 34945

Website: <http://FPARC.org>

Sponsor: Fort Pierce Amateur Radio Club

Type: ARRL Hamfest

Talk-In: 147.345 (PL 107.2)

Public Contact: John Sweigart ,  
KK4SHF

4103 Smokey Pines Court Fort Pierce, FL  
34951

Phone: 772-905-3552

Email: [johnsails@hotmail.com](mailto:johnsails@hotmail.com)



## Welcome New Members:

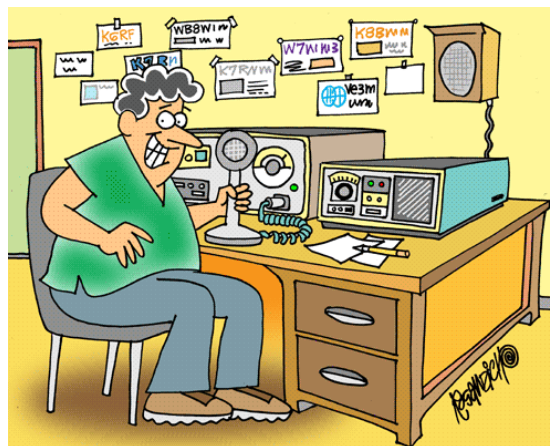
KDOUSA

Barry Horowitz

## For more on BRARA:

[www.n4brf.org](http://www.n4brf.org)

Join us on Twitter [BRARA@N4BRF](https://twitter.com/BRARA@N4BRF)  
and on Instagram [#BRARA\\_N4BRF](https://www.instagram.com/BRARA_N4BRF) as  
well as on Facebook.



## Free Laurel VEC Testing



Sun 2-JUL-2017, 11:00-13:00, Fire  
Station 28, 1040 RPB Blvd, Royal  
Palm Beach [PWARC] (1st Sunday of  
odd months).

Tue 11-JUL-2017, 18:00-19:30,  
Broward Gen MC, 1600 S Andrews  
Ave, Ft Lauderdale [BARC] (2nd Tue  
of every month).

Thu 10-AUG-2017, 19:00-21:00,  
Rutherford Com Ctr, 2000 Yamato  
Rd, Boca Raton, FL 33498 [BRARA]  
(Quarterly: Feb, May, Aug, Nov)

## BRARA Ham Shack

### Key Rules <sup>K4LEW</sup>

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

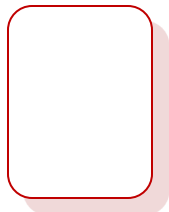
The purpose of this newsletter is  
to keep club members and other  
interested hams updated on club  
events and ham activities in the  
Greater Boca Raton Area. We  
hope you enjoy this month's *the RF*  
as much as we did publishing it!



the Radio Flyer

P.O. Box 480162

Delray Beach, FL 33448-0162



BRARA Club Member Name  
Call Sign  
Street Address  
City, State Zip Code

