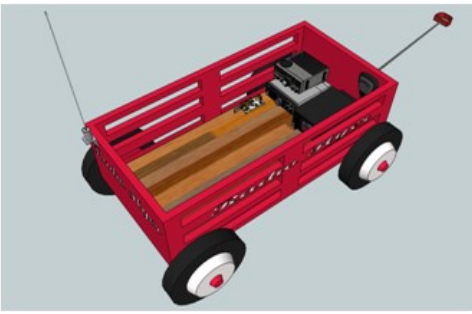


the Radio Flyer, *a BRARA Newsletter*

March 2017



BRARA Calendar:

Wed 01-Mar-2017 Ash Wednesday

09:00-12:00 Wed 01-Mar-17
Ham Shack Work & Radio Day

09:00-13:00 Sat 04-Mar-17
Ham Shack Work & Radio Day

20:00-21:00 Sun 05-Mar-17 (443.300)
DMR-FL-LO Tech Net [TS2 TG2]

19:00 Mon 06-Mar-17 (145.29 [110.9])
Monday Night Nets

19:00-21:00 Wed 08-Mar-17
Club Meeting @ West Boca Library

09:00-12:00 Wed 08-Mar-17
Ham Shack Work & Radio Day

09:00-13:00 Sat 11-Mar-17
Ham Shack Work & Radio Day

Sat 11-Mar-2017 Purim begins @
Sundown

02:00 Sun 12-Mar-2017 EDST begins

20:00-21:00 Sun 12-Mar-17 (443.300)
DMR-FL-LO Tech Net [TS2 TG2]

19:00 Mon 13-Mar-17 (145.29 [110.9])
Monday Night Nets

09:00-12:00 Wed 15-Mar-17
Ham Shack Work & Radio Day

Fri 17-Mar-2017 St Patrick's Day

09:00-12:00 Sat 18-Mar-17
Ham Shack Work & Radio Day

20:00-21:00 Sun 19-Mar-17 (443.300)
DMR-FL-LO Tech Net [TS2 TG2]

Mon 20-Mar-2017 Spring Equinox

19:00 Mon 20-Mar-17 (145.29 [110.9])
Monday Night Nets

09:00-12:00 Wed 22-Mar-17
Ham Shack Work & Radio Day

09:00-12:00 Sat 25-Mar-17
Ham Shack Work & Radio Day 20:00

Sun 05-Mar-17 (443.300)
DMR-FL-LO Tech Net [TS2 TG2]

20:00-21:00 Sun 05-Mar-17 (443.300)
DMR-FL-LO Tech Net [TS2 TG2]

12:00 Noon Sun 26-Mar-17
Deadline for Newsletter Input

19:00 Mon 27-Mar-17 (145.29 [110.9])
Monday Night Nets

09:00-12:00 Wed 29-Mar-17
Ham Shack Work & Radio Day



This Month's Speaker

This month, (8-Mar), Marc Wohlschegel, WC3W, will give a presentation on his T\$US Cuban Expedition. See page 7 for bio.

Next month (4-Apr), Rich Ladisky will present underwater adventures-slide show with pics.

Future speakers include:

- Ryan Krenzischek
(W4NTR):Army
MARS and
- Ed Callaway (N4II):
on subjects TBA.



QSL Report

No report was received by Newsletter deadline-Noon, last Sunday of the previous month.

Monthly Update at next Monthly Meeting.

12-Mar-17



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.



ARRL Seeks Opinions Concerning Possible New Entry Level License

(from ARRL Bulletins)

An Entry Level License Committee was established by the ARRL Board of Directors and appointed in September 2016. As part of its ongoing work, the committee is gathering member input and will make recommendations to the Board for possible rules changes to submit to the FCC.

The result could mean changes to the Technician license, but it could also be an additional, but simpler, license with privileges that would give a newcomer a taste of most facets of ham radio from HF to VHF and UHF.

The committee has created an online member survey. Please complete and submit the survey no later than April 7, 2017. Survey results will be published.

Knights of the Round Table BBQ & Field Day

Vista View Park in Davie on Saturday
March 25, 2017 [www.broward.org/
Parks/VistaViewPark](http://www.broward.org/Parks/VistaViewPark)

Come enjoy a day of food and radio,
bring your experiments

Participating organizations include:
GCARA,
Broward ARES/RACES,
Fusion users group

Broward ARES will sponsor a fox hunt -
training for first-timers

Assembly of tape measure yagis if you
bring the parts - contact [Jeff Stahl,
K4BH](mailto:Jeff.Stahl@k4bh.com) for more information

March is Red Cross Month *N8JE*

March has been recognized as Red Cross Month for more than 70 years. All of our presidents have designated March as Red Cross Month to recognize how the American Red Cross helps people across the country and around the world. This year there is nothing different except many of the local Red Cross Chapters will be celebrating their 100th year of serving their community

Red Cross Amateur Radio volunteers would like to help celebrate by having a special event station operating from various chapters throughout the country. Amateur Radio has played a large part in communications during large and small disaster relief operations. As in the recent flooding in Louisiana, when the cell service was disrupted, the Amateur Radio Community along with the Red Cross Ham's chipped in and filled the communications gap between shelters, chapters and the disaster relief operations headquarters.

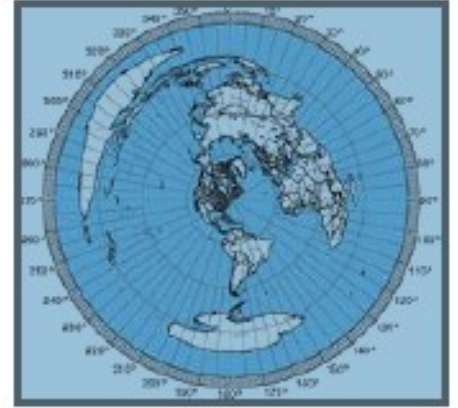
Many chapters in various locations all across the US will be participating in this special events station operations in various times throughout the month of March. Keep an eye on the cluster for chapter location and frequency. Basic QSL information to the chapter contacted by SASE. The chapter will inform you of the type of envelope needed for their QSL (card, certificate).

"It's easy to become a Red Cross community volunteer," said Jim Ebner, N8JE (Volunteer and trustee of the Dayton Chapter call sign K8DRC). "Be ready for an emergency by creating a preparedness plan for your home and family. Test your smoke detectors and tell your neighbors to do the same. Sign up to be a Red Cross volunteer or make a financial donation."

Information about how you can support the organization is available on redcross.org. The Red Cross is not a government agency and relies on donations of time, money and blood to do its work. An average of 91 cents of every dollar donated is invested in humanitarian services and programs.

The American Red Cross is recognizing the country's everyday volunteers during Red Cross Month.

White Space Azimuthal Map Plotter



Use this website to create an azimuthal map for your home QTH. You can customize the map in a variety of ways by changing the options in the web form.

The location can be a latitude, longitude, a Maidenhead grid square, or a city name (e.g., "51.504572,-0.268225", "IO91um", or "Chicago, IL"). You can indicate North and East coordinates by using a positive number or by adding "N" or "E" after the number. For South and West, you can indicate these with a negative number or by adding "S" or "W" after the number. For big cities, you can enter just the city name. For other cities, enter the city and state for US cities and otherwise the city and country. The distance is in kilometers.

[http://ns6t.net/azimuth/
azimuth.html](http://ns6t.net/azimuth/azimuth.html)

Dry Tortugas DXpedition

CALLSIGN: N4T
OPERATORS: NE4LS and KE4IDW
SCHEDULE: APRIL 21 - 24, 2016.
There is no fixed operating schedule so look for us on the DX spots.
QSL: VIA NE4LS - No LOTW, eQSL, or any other electronic QSLing; paper QSLs only via bureau or direct with SAE. Please include 2\$ for DX stations.
MODES: NE4LS will be operating CW @ 5W and KE4IDW will be operating SSB @ 20W.
This operation will be very minimalist since we have to bring all our equipment, food and water on the ferry and we are limited to 65 lbs per person (not including the water). More information as we get closer.
IOTA: NA-079 IOTA website
ARLHS: USA-316
NPOTA: Dry Tortugas National Park NPS website
USi (U.S. Islands award): FL-013S
Grid Square: EN70qa
County: Monroe



No Smoking

UNLESS YOU'RE A RADIO WITH A SHORTED
CAPACITOR.

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 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 |
| Tue | 20:00 | IRLP Tech | 147.075 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) NAtch |
| Sat | 1200 | TG-01 | (WW) |

Local DMR Repeaters

| Location | Rx Freq | Color Code |
|------------|----------|--------------|
| 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 16:30 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 & 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. BRARA is planning a Extra Class after the first of the year.

Extra Pool

E5B11

What is the phase angle between the voltage across and the current through a series RLC circuit if X_C is 25 ohms, R is 100 ohms, and X_L is 50 ohms?

- A. 14 degrees with the voltage lagging the current
- B. 14 degrees with the voltage leading the current
- C. 76 degrees with the voltage lagging the current
- D. 76 degrees with the voltage leading the current

E5B12

What is admittance?

- A. The inverse of impedance
- B. The term for the gain of a field effect transistor
- C. The turns ratio of a transformer
- D. The unit used for Q factor

General Pool

G7C07

What is the simplest combination of stages that implement a superheterodyne receiver?

- A. RF amplifier, detector, audio amplifier
- B. RF amplifier, mixer, IF discriminator
- C. HF oscillator, mixer, detector
- D. HF oscillator, pre-scaler, audio amplifier

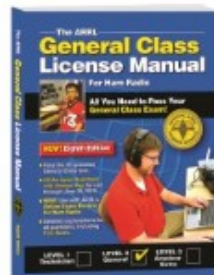
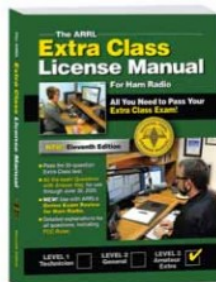
G7C10

How is Digital Signal Processor filtering accomplished?

- A. By using direct signal phasing
- B. By converting the signal from analog to digital and using digital processing
- C. By differential spurious phasing
- D. By converting the signal from digital to analog and taking the difference of mixing products

Answers to License Refresher:

- E5B11 (B)
- E5B12 (A)
- G7C07 (C)
- G7C10 (B)



New Hams Corner *WA2NSW*

This month I want to talk a little bit about all of the language you hear on the radio. A lot of people are confused when they first start listening to the strange new language of hams. Like any new language there are words that you may be confused by or not have any clue what the person is talking about! Sometimes you may get a clue by what the subject is but even that might not help at first.

Most study guides have a list of Q signals. Get to know the common ones. There are also a few general shorthand letters or words that are very helpful. You might not hear them on repeaters but will surely hear them down in the SSB world. CQ, 73, 5 by 9.

All have meaning...even if it has blurred since the 1930's when they were first used. The most fun is when someone uses one of the shorthand items incorrectly. A good Ham will gently correct the person and no offense should be taken! It just makes for a better operating situation for all.

Do not be afraid to ask what a pro-word or abbreviation is for. It will make you a better operator and others might have been wondering the same thing but are afraid to ask. One thing that I have noticed in the past few years is a lot of Citizens Band terms have made their way over to the ham bands. While originally frowned upon by the old timers it has now become common. Right or wrong it is just a change caused by so many CBers now getting their licenses and going on the ham bands.

If a term is confusing ask...and today you can look up lists of terms online instead of having to rely on going to a book to find them! Here are a few good lists:

<http://www.qsl.net/w5www/qcode.html>

http://www.amateur-radio-wiki.net/index.php?title=Codes_and_Alphabets

The second has so much more good information for the new ham as well as someone who might be moving on to other aspects of the hobby besides 2 meter repeaters.

73

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

Articles for the Newsletter

KG4FUR

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





Ham Humor

Trump Promises Greatest Propagation Ever

by K5PO, on the scene

NEWINGSTEAD, VT – Newly inaugurated President Trump wasted no time reaching out to members of the amateur radio community. On Monday, President Trump was the keynote speaker at a banquet co-sponsored by radio equipment manufacturer Peanut Whistle Transmitters Inc. and the National Radio ReTransmission Legion (NRRL). Trump was a surprise late addition to the speaker lineup for the annual two-day “Radio in America” gathering at the NRRL’s headquarters.



“We invited him as a courtesy, but honestly didn’t expect he’d show up. I assume he’s a very busy man,” said NRRL president Bob Gilligan. “But then I received a call yesterday from the Trump administration who informed us that the President would most certainly meet with such great communicators. We were shocked! To fit in the President we had to cancel Wiley Roger’s planned panel discussion on his hypothesis that blue-colored wire has increased his DX performance.”

President Trump’s speech to the 27 attendees lasted a little over three hours and ranged in topics from installing antennas atop Trump Tower to the low sunspot cycle. When Peanut Whistle Transmitter Company’s Chief Counsel asked Trump if he had any plans to improve propagation as we approach a new low in the sunspot cycle, President Trump had no reservations in stating, “My administration will bring amazing propagation to all of you. To all American hams. It’ll be the best. The best propagation. So big. They’ll be so much DX, we’ll be exporting it to other counties. You’ve never seen propagation like the propagation we’ll have.”

Trump closed the banquet with the announcement that he’ll immediately sign an executive order to increase sunspot counts to 1000 within the next 100 days. Ham Hijinks inquired with NOAA Space Weather Scientist Ramish Pentel about how the administration would go about this executive order. He quickly replied, “It literally makes zero sense. I have no idea whatsoever.”

(Editor’s note: Ham Humor falls under the category of “Fake News.”)

Local Ham Sets World Record

By WBØRUR, on the scene

EAST BINGHAMTON, Maine – A local amateur radio operator will be listed in the next edition of the World Record book. Jervis Tumbledon of rural Hampton Township has been a ham radio operator for 25 years, but never thought he’d receive international recognition for his hobby.



“It really comes as quite a surprise,” says the mild mannered public school librarian. “Yes, men can be librarians, too,” he adds. “And I’ve earned my honors quite by accident.”

Officials with the World Record book have certified Tumbledon’s string of 139 QSOs without a bathroom break as a new milestone. The contacts were made on a Saturday afternoon in October, says the librarian, who quickly adds that he “...wanted to watch football but his wife was using the only television.”

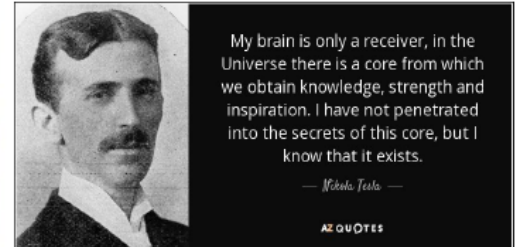
He credits his operating milestone to a very large bladder, adding, “I probably stretched it during my time in the Merchant Marines.”

“I got interested in working some DX ragchew and before I knew it, it was five hours later.”

Tumbledon says he’s only just begun to operate without “rest stops”.

“Wait until Field Day! I’ll go without going ALL NIGHT!” he add exuberantly.

(Note: Withholding urination can result in painful and sometimes drastic medical and/or social issues. Please do not try this without a medical doctor or your wife’s approval.)



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

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

Ernest Agyemang Yeboa

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 |
|---|--|
| + QRP Fox Hunt | 0200Z-0330Z, Mar 1 |
| + Phone Fray | 0230Z-0300Z, Mar 1 |
| + CWops Mini-CWT Test | 1300Z-1400Z, Mar 1 and 1900Z-2000Z, Mar 1 and 0300Z-0400Z, Mar 2 |
| + UKEICC 80m Contest | 2000Z-2100Z, Mar 1 |
| + NRAU 10m Activity Contest | 1800Z-1900Z, Mar 2 (CW) and 1900Z-2000Z, Mar 2 (SSB) and 2000Z-2100Z, Mar 2 (FM) and 2100Z-2200Z, Mar 2 (Dig) |
| + NCCC RTTY Sprint | 0145Z-0215Z, Mar 3 |
| + QRP Fox Hunt | 0200Z-0330Z, Mar 3 |
| + NCCC Sprint | 0230Z-0300Z, Mar 3 |
| + ARRL Inter. DX Contest, SSB | 0000Z, Mar 4 to 2400Z, Mar 5 |
| + Wake-Up! QRP Sprint | 0600Z-0629Z, Mar 4 and 0630Z-0659Z, Mar 4 and 0700Z-0729Z, Mar 4 and 0730Z-0800Z, Mar 4 |
| + Open Ukraine RTTY Championship | 1800Z-2059Z, Mar 4 (Low Band) & 2100Z-2359Z, Mar 4 (Low Band) & 0800Z-1059Z, Mar 5 (Hi Band) & 1100Z-1359Z, Mar 5 (Hi Band) |
| + UBA Spring Contest, CW | 0700Z-1100Z, Mar 5 |
| + DARC 10-Meter Digital Contest | 1100Z-1700Z, Mar 5 |
| + SARL Hamnet 40m Simulated Emerg Contest | 1200Z-1400Z, Mar 5 |
| + NSARA Contest | 1200Z-1600Z, Mar 5 and 1800Z-2200Z, Mar 5 |
| + RSGB 80m Club Championship, Data | 2000Z-2130Z, Mar 6 |
| + ARS Spartan Sprint | 0200Z-0400Z, Mar 7 |
| + AGCW YL-CW Party | 1900Z-2100Z, Mar 7 |
| + QRP Fox Hunt | 0200Z-0330Z, Mar 8 |
| + Phone Fray | 0230Z-0300Z, Mar 8 |
| + CWops Mini-CWT Test | 1300Z-1400Z, Mar 8 and 1900Z-2000Z, Mar 8 and 0300Z-0400Z, Mar 9 |

Da Pres says:

Next Meeting:

**Wednesday
 March 8, 2017
 19:00-20:45
 West Boca Library**

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 for 2017 are now past due.

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

If you haven't paid your membership dues for 2017 – now is the time! Remember the repeater operation and maintenance as well as the shack are supported by your dues and donations.

Minutes and Newsletter:

It is our goal to have both the Draft Minutes and Newsletter on the web at the start of the month. To be advised of this, you must subscribe to the BRARA mail-chimp. Addendums to the Minutes and Motions to Accept the Minutes will be entertained at the General Meetings They will not be read at the meetings.

2016 Tax Donation Letters

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

| | |
|---|---|
| + AWA John Rollins Memorial DX Contest | 2300Z, Mar 8 to 2300Z, Mar 9 and 2300Z, Mar 11 to 2300Z, Mar 12 |
| + NCCC RTTY Sprint | 0145Z-0215Z, Mar 10 |
| + QRP Fox Hunt | 0200Z-0330Z, Mar 10 |
| + NCCC Sprint | 0230Z-0300Z, Mar 10 |
| #NAME? | 1000Z, Mar 11 to 1000Z, Mar 12 |
| + SARL VHF/UHF Analogue/Digital Contest | 1000Z, Mar 11 to 1000Z, Mar 12 |
| + South America 10 Meter Contest | 1200Z, Mar 11 to 1200Z, Mar 12 |
| + F9AA Cup, SSB | 1200Z, Mar 11 to 1200Z, Mar 12 |
| + SKCC Weekend Sprintathon | 1200Z, Mar 11 to 2400Z, Mar 12 |
| + Oklahoma QSO Party | 1400Z, Mar 11 to 0200Z, Mar 12 and 1400Z-2000Z, Mar 12 |
| + AGCW QRP Contest | 1400Z-2000Z, Mar 11 |
| + Stew Perry Topband Challenge | 1500Z, Mar 11 to 1500Z, Mar 12 |
| + EA PSK63 Contest | 1600Z, Mar 11 to 1600Z, Mar 12 |
| + QCWA QSO Party | 1800Z, Mar 11 to 1800Z, Mar 12 |
| + TESLA Memorial HF CW Contest | 1800Z, Mar 11 to 0559Z, Mar 12 |
| + Idaho QSO Party | 1900Z, Mar 11 to 1900Z, Mar 12 |
| + QRP ARCI Spring Thaw SSB Sprint | 2000Z-2359Z, Mar 11 |
| + North American Sprint, RTTY | 0000Z-0400Z, Mar 12 |
| + UBA Spring Contest, 2m | 0700Z-1100Z, Mar 12 |
| + WAB 3.5 MHz Phone | 1800Z-2200Z, Mar 12 |
| + Wisconsin QSO Party | 1800Z, Mar 12 to 0100Z, Mar 13 |
| + QRP Fox Hunt | 0100Z-0230Z, Mar 15 |
| + Phone Fray | 0230Z-0300Z, Mar 15 |
| + CWops Mini-CWT Test | 1300Z-1400Z, Mar 15 and 1900Z-2000Z, Mar 15 and 0300Z-0400Z, Mar 16 |
| + RSGB 80m Club Championship, CW | 2000Z-2130Z, Mar 15 |
| + NAQCC CW Sprint | 0030Z-0230Z, Mar 16 |
| + QRP Fox Hunt | 0100Z-0230Z, Mar 17 |
| + NCCC RTTY Sprint | 0145Z-0215Z, Mar 17 |
| + NCCC Sprint | 0230Z-0300Z, Mar 17 |
| + BARTG HF RTTY Contest | 0200Z, Mar 18 to 0200Z, Mar 20 |
| + Russian DX Contest | 1200Z, Mar 18 to 1200Z, Mar 19 |
| + Virginia QSO Party | 1400Z, Mar 18 to 0200Z, Mar 19 and 1200Z-2400Z, Mar 19 |
| + Louisiana QSO Party | 1400Z, Mar 18 to 0200Z, Mar 19 |

Speaker Bio-Synopsis:

Marc Wohlscheger, WC3W, has been a licensed amateur radio operator for 56 years. He is an Extra Class residing with his wife of 42 years (Pamela) in Jupiter Florida.

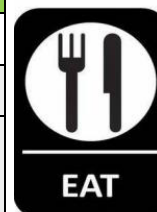
He is an electrical engineer with an MBA (secured at Bradley University, Peoria, IL and North Carolina State U). He has had a general aviation pilot since he was 20 years old and holds private, instrument, and commercial tickets; flying every week to Georgia and Florida-just for fun. He is still employed (more like a consultant) after retiring as SVP Business Development for Toshiba's Power Systems Division (steam turbine generators) about 1 1/2 years ago. He consults for another company now where I hold the title of VP Business Development.

A couple years ago he was asked to join a very unique team of amateur radio operators for a first of a kind DX-pedition to Cuba. Under the leadership of Jim Milner, WB2REM, they assembled a team of 7 US operators who joined a team of 8 Cuban operators for a full week of operation in a portable station just outside the capital city of Havana. This occurred in the fall of 2015 and included the participation in the CQ World Wide SSB contest. Besides operating, they did a number of very interesting interactions with the Cuban people and other hams this will part of the presentation.

This was the first DX-pedition he had every participated in and it was quite enjoyable. The only other time that he operated outside the contiguous US was a full week in St Croix with 2 other amateurs where they did EME and they worked the ARRL worldwide CW contest.



LIFE IS SIMPLE



| | |
|--------------------------------------|---|
| + AGCW VHF/UHF Contest | 1400Z-1700Z, Mar 18 (144) and 1700Z-1800Z, Mar 18 (432) |
| + Feld Hell Sprint | 2000Z-2159Z, Mar 18 |
| + UBA Spring Contest, SSB | 0700Z-1100Z, Mar 19 |
| + Run for the Bacon QRP Contest | 0200Z-0400Z, Mar 20 |
| + Bucharest Contest | 1800Z-2059Z, Mar 20 |
| + CLARA Chatter Party | 1700Z, Mar 21 to 1700Z, Mar 22 and 1700Z, Mar 25 to 1700Z, Mar 26 |
| + SKCC Sprint | 0000Z-0200Z, Mar 22 |
| + QRP Fox Hunt | 0100Z-0230Z, Mar 22 |
| + Phone Fray | 0230Z-0300Z, Mar 22 |
| + CWops Mini-CWT Test | 1300Z-1400Z, Mar 22 and 1900Z-2000Z, Mar 22 and 0300Z-0400Z, Mar 23 |
| + RSGB 80m Club Championship, SSB | 2000Z-2130Z, Mar 23 |
| + QRP Fox Hunt | 0100Z-0230Z, Mar 24 |
| + NCCC RTTY Sprint | 0145Z-0215Z, Mar 24 |
| + NCCC Sprint | 0230Z-0300Z, Mar 24 |
| + FOC QSO Party | 0000Z-2359Z, Mar 25 |
| + CQ WW WPX Contest, SSB | 0000Z, Mar 25 to 2359Z, Mar 26 |
| + UBA Spring Contest, 6m | 0600Z-1000Z, Mar 26 |
| + QRP Fox Hunt | 0100Z-0230Z, Mar 29 |
| + Phone Fray | 0230Z-0300Z, Mar 29 |
| + CWops Mini-CWT Test | 1300Z-1400Z, Mar 29 and 1900Z-2000Z, Mar 29 and 0300Z-0400Z, Mar 30 |
| + UKEICC 80m Contest | 2000Z-2100Z, Mar 29 |
| + QRP Fox Hunt | 0100Z-0230Z, Mar 31 |
| + NCCC RTTY Sprint | 0145Z-0215Z, Mar 31 |
| + NCCC Sprint | 0230Z-0300Z, Mar 31 |



WWW.ARRL.ORG

**18:00 UTC Sat–20:59 Sun
24-25 June 2017**

Again, this year we will be operating from the shack as a 3E Home Station using emergency power.

There are no substantive rule changes from 2016. There are some minor changes on VHF/UHF Information.

For specifics, please consult the above ARRL website.

We still get Bonus Points for:

1. Emergency Pwr-100 points per Transmitter
2. Media-100 points for attempting to secure Local Media publicity
3. Pub Loco-No points
4. Pub Info-No points
5. SM/SEC Messages-100 points
6. Messages Originated-100 points
7. Satellite QSO-No points
8. Alt Pwr-5 QSOs = 100 points
9. W1AW FD Bulletin-100 points
10. Edu Activity-100 points
11. Elected Official Visit-100 points
12. Site Visit: ARC/SA/EM-100 points
13. GOTA-No points
14. Web Submission-50 points
15. Youth-10 points per QSO
16. Social Media-100 points for FD promo
17. Safety Officer-No points

We need to insure that we maximize the other bonus point options like Social Media.

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.

New this year, are the 40m and 20m band pass filters donated by WA8VSJ and KG4FUR respectively. We may want an 80 m band pass filter too.

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 |
|-------|------------|-------------------------------------|-----------------------|--------------|----------------|--|
| thru | 2017 Mar09 | Guadeloupe | TO7D | LotW | <u>TDDX</u> | By F6ITD fm Baie Mahaut, Desirade Island (IOTA NA-102); 160-6m; SSB CW + digital; 500w; dipoles; also FG/F6ITD; QSL also OK via F6ITD |
| thru | 2017 Mar31 | Senegal | 6W2SC | LotW | <u>HA3AUI</u> | By HA3AUI; 20-10m, other bands on request; CW; 500/100w; Spiderbeam; QSL also OK via HA3AUI direct; end date approximate |
| thru | 2017 Mar11 | Rwanda | 9X2AW | DF2WO Direct | <u>TDDX</u> | By DF2WO fm Kigali; mainly PSK31 JT65 RTTY + QRS CW; QSL also OK via M0OXO (preferred); begin date uncertain |
| thru | 2017 Mar10 | Surinam | PZ | eQSL | <u>TDDX</u> | By PA3BVK as PZ5JW and PA3EHS as PZ5HS; 40-10m; CW SSB PSK |
| thru | 2017 Mar07 | San Andres & Providencia | 5K0N | AA4NC | <u>AA4NC</u> | By AA4NC; QRV for ARRL DX CW and SSB using a 5K0 call sign |
| thru | 2017 Mar05 | Pitcairn I | VP6EU | LotW | <u>PA3EWP</u> | By DJ9HX DK2AMM DL6JGN PA3EWP fm IOTA OC-044; 160-10m; CW SSB RTTY; 2 stations, at least 1 QRV 24 hours/day; 600w; beam + verticals; QSL also OK via DK2AMM and Club Log |
| thru | 2017 Mar13 | Burkina Faso | XT2SE | IK3GES | <u>DXNews</u> | By IV3FSG fm Ouagadougou; 80-10m; SSB RTTY PSK31; spare time operation; QSL also OK via Club Log |
| thru | 2017 Mar26 | Antigua | V21ZG | LotW | <u>TDDX</u> | By DL7AFS DJ7ZG; 80-6m, including 60m; SSB + digital; QSL also OK via DJ7ZG direct or Club Log |
| thru | 2017 Mar02 | Austral Is | TX5T | M0URX OQRS | <u>TDDX</u> | By VE7KW VA7DX W5RF fm Raivavae I (IOTA OC-114); 160-10m; CW SSB RTTY; hexbeams and spiderpoles |
| thru | 2017 Mar07 | Uganda | 5X1O | EA5GL | <u>DXW.Net</u> | By KK7PW; 40 20 15 10m; CW SSB WSPR, perhaps JY65; spare time operation; check early mornings and late afternoons local |
| thru | 2017 Mar03 | Br Virgin Is | VP2V | LotW | <u>TDDX</u> | By K6TOP as VP2V/K6TOP fm Tortola (IOTA NA-023); 40 30 20 17 10m; CW; 100w; verticals, dipole; typically 1000-1200z and 0200-0400z; QSL also OK via NR6M direct |
| thru | 2017 Mar07 | Barbados | 8P9AL | LotW | <u>DXNews</u> | By KG9N fm IOTA NA-021; HF; wire verticals, dipoles, longwires; QSL also OK via KG9N (for this operation only - reissued call sign) |
| thru | 2017 Mar26 | Guadeloupe | FG | F1DUZ | <u>425DXN</u> | By F1DUZ as FG/F1DUZ fm IOTA NA-102; HF; SSB; QSL OK via REF Buro or direct |
| thru | 2017 Mar31 | Guinea Bissau | J5UAP | LotW | <u>HA3AUI</u> | By HA3AUI; 20-10m, other bands on request; CW; 100w; Spiderbeam; QSL also OK via HA3AUI direct; end date approximate |

| | | | | | | |
|---|---------------|----------------------|-------------------------|--------|-------------------------|---|
| thru | 2017 Mar26 | Antigua | V21ZG | LotW | 425DXN | By DL7AFS DJ7ZG fm IOTA NA-100; 80-6m, incl perhaps 60m (5357 kHz, PSK and SSB); SSB + digital; QSL also OK via DL7AFS (DARC Buro or direct) and Club Log |
| 2017 Mar01 | 2017 Mar22 | Svalbard | JW6VDA | LotW | DXNews | By LA6VDA fm IOTA EU-026 (JQ78tf); 160-10m; SSB; QSL also OK via LA6VDA, Club Log, eQSL |
| 2017 Mar02 | 2017 Mar09 | Maldives | 8Q7LH | DK8ZZ | DXW.Net | By DK7TF DF1FF DH6ICE DK2CL DK8ZZ fm Himandhoo I; 80-10m, perhaps incl 60m; CW SSB + digital |
| 2017 Mar03 | 2017 Mar05 | West Malaysia | 9M4IOTA | 9M2000 | DXW.Net | By Kuala Lumpur DX Team fm Tioman I (IOTA AS-046, Rompin District, Pahang); 80-10m; CW SSB + digital |
| ARRL International DX Contest, Phone (Mar 4-5, 2017) | | | | | | |
| 2017 Mar04 | 2017 Mar11 | Bahamas | C6APY | LotW | DXNews | By M0VFC M0IDA M1ACB fm IOTA NA-054 (FL15do); mainly 40-15m; CW SSB; QSL also OK via M0OXO |
| 2017 Mar07 | 2017 Mar10 | Ogasawara | JD1BLY | JI5RPT | JI5RPT | By JI5RPT fm Chichijima I (IOTA AS-031); 160-10m; CW SSB + digital |
| 2017 Mar07 | 2017 Mar13 | Barbados | 8P9IF | G3PJT | G3PJT | By G3PJT; mainly CW; holiday style operation; QRV for BERU Contest; QSL also OK via Club Log |
| 2017 Mar07 | 2017 Mar21 | Ghana | 9G5X | LotW | DXW.Net | By G3XAQ G3VMW G4BWP 5B4AGN M0PCB G6MC fm 1,000 feet ASL; 160-10m; CW SSB RTTY; 3 high power stns; QSL also OK via M0OXO |
| 2017 Mar08 | 2017 Mar20 | Nepal | 9N7EI | LotW | DXW.Net | By EI2II EI2JD EI4GZB EI5GM EI5IQ EI5IX EI6FR EI9FBB EI9HQ EI9HX EI9KF; 80-10m; SSB CW + digital; 5 stations; QSL also OK via Web OQRS |
| 2017 Mar09 | 2017 Mar13 | Cayman Is | ZF2CA | LotW | TDDX | By G4CWH fm Grand Cayman I; 160-10m; CW SSB; QSL also OK via G4CWH; QRV for RSGB BERU Contest |
| 2017 Mar09 | 2017 Mar14 | Belize | V31GX | LotW | TDDX | By G4SGX fm near San Pedro; 80-10m; CW; 100w; vertical + inverted L; QSL also OK via G4SGX; QRV for BERU Contest |
| 2017 Mar09 | 2017 Mar19 | Ivory Coast | TU7C | LotW | DXW.Net | By 12 op team fm Grand Bassam; 160-6m; CW SSB RTTY PSK; 5 stations; QSL also OK via F1ULQ (Buro or direct) and Web page OQRS |
| 2017 Mar09 | 2017 Mar21 | Niger | 5U5R | LotW | TDDX | By EA5RM EA1SA EA1RY EA5KM EA7AJR EA7KW F9IE HK6F IK5RUN IN3ZNR K3LP fm Niamey; 160 10m, also 5.360 MHz; SSB CW RTTY; QSL also OK via EA5RM |
| 2017 Mar10 | 2017 Mar19 | South Cook Is | E51KTA | M1KTA | TDDX | By M1KTA fm Rarotonga I (IOTA OC-013); will try low bands; QRV for BERU Contest |
| 2017 Mar14 | 2017 Apr04 | Tuvalu | T2 | LotW | DXW.Net | By SP5EAQ as T2AQ and SP7DQR as T2QR fm IOTA OC-015; 80-10m; CW SSB RTTY; dates and call signs tentative; QSL also OK via SP7DQR |
| 2017 Mar14 | 2017 Apr12 | Tanzania | 5H3MB | LotW | TDDX | By IK2GZU fm Ilembula; 80-10m; SSB CW RTTY; spare time operation; QSL also OK via IK2GZU (Buro or direct), Club Log, eQSL |

| | | | | | | |
|---|---------------|-----------------------------|-------------------------|-------|-------------------------|---|
| 2017 Mar15 | 2017 Mar22 | Ceuta & Melilla | EA9 | LotW | DXW.Net | By DJ6TF DL7DF DL7UFN DL7UFR as EA9/DL7DF; 160-10m; CW SSB RTTY; QSL also OK via DARC Buro or direct |
| 2017 Mar15 | 2017 Mar21 | Bangladesh | S21GM | YL2GN | TDDX | By YL3CW YL2KA UT7UJ US7UX UT7U; 160-10m; CW SSB RTTY; QSL OK via Buro or direct, also Club Log |
| 2017 Mar15 | 2017 Mar31 | Nepal | 9N7XW | LotW | DXNews | By SP6AXW; HF; QSL also OK via SP6AXW |
| 2017 Mar16 | 2017 Apr05 | 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 CQWW WPX SSB; QSL also OK via W5JON direct |
| 2017 Mar18 | 2017 Mar21 | Ceuta & Melilla | EG9TOR | LotW | TDDX | By EA4PN EA3NN EA3HSJ EA4GMX EA5UF EA4JJ EA3CV EA8ZT EA2CW fm Ceuta; CW; will use ED9T during King of Spain contest (Mar 20-21); QSL also OK via Club Log, eQSL, and EA4PN direct |
| 2017 Mar18 | 2017 Mar21 | Turks & Caicos | VP5 | LotW | TDDX | By W9AV as VP5/W9AV and W6RI as VP5/W6RI fm Providenciales I (IOTA NA-002); 160-10m; CW SSB; holiday style operation; QSL also OK via home call w/ SASE |
| 2017 Mar18 | 2017 Apr01 | St Kitts & Nevis | V47JR | W2APF | W2APF | By W2APF fm Nevis I (IOTA NA-104); 80-10m; CW SSB; 100w; wires |
| 2017 Mar19 | 2017 Apr01 | St Kitts & Nevis | V47JR | W2APF | W2APF | By W2APF fm Nevis I; 80-6m; CW SSB; 100w; wires; holiday style operation |
| 2017 Mar19 | 2017 Apr03 | Micronesia | V633KS | LotW | TDDX | By JA6REX fm Chuuk I (IOTA OC-011); 160-10m; CW SSB RTTY; 1Kw; CrankIR, vertical, dipole; QSL also OK via JA6REX Buro or Club Log |
| 2017 Mar20 | 2017 Mar21 | Ceuta & Melilla | EA9 | LotW | TDDX | By JA0JHQ as EA9/JA0JHQ; mainly 17-15m, perhaps 20m; CW RTTY; 100w; micro vertical; QSL also OK via JA0JHQ (Buro or direct) and Club Log |
| 2017 Mar20 | 2017 Mar24 | Cayman Is | ZF2CJ | LotW | TDDX | By JJ2RCJ fm ZF1A club station; 80-6m; mainly RTTY; QSL also OK via JJ2RCJ |
| 2017 Mar20 | 2017 Mar27 | Cayman Is | ZF2TC | LotW | DXW.Net | By KE5TC and K5QBX; 40-10m; SSB + slow CW; 100w; vertical + longwire; holiday style operation; QSL also OK via KE5TC direct |
| 2017 Mar21 | 2017 Mar26 | Cayman Is | ZF2FL | K5QBX | DXNews | By K5QBX fm Grand Cayman I (IOTA NA-016); HF |
| 2017 Mar21 | 2017 Mar27 | Bangladesh | S21KW | YL2GN | TDDX | By YL3CW YL2KA UT7UJ US7UX UT7U; 160-10m; CW SSB RTTY; QSL OK via Buro or direct, also Club Log |
| 2017 Mar22 | 2017 Mar28 | Tonga | A35JP/p | LotW | JA0RQV | By JA0RQV fm Niaufo'ou I (IOTA OC-123); 40-6m; CW SSB; 100w; vertical, VDA; QSL also OK via JA0RQV (Buro or direct w/ SASE) and Club Log |
| 2017 Mar22 | 2017 Mar29 | Albania | ZA | LotW | PA2LS | By PE1KL, PD5LKM, PA2LS as ZA/PA2LS fm Pishat e Buta; 160-2m; SSB CW PSK RTTY; QSL OK via PA2LS (Buro or direct) or Club Log; QRV for CQ WPX SSB |
| CQ WW WPX Contest, SSB (Mar 25-26, 2017) | | | | | | |
| 2017 Mar29 | 2017 Apr10 | Guam | KH2BY | LotW | DXW.Net | By EA5BY; 80-6m, incl 60m; QSL also OK via EA5BY and Club Log |
| 2017 Mar29 | 2017 Apr17 | Guam | AH2P | LotW | DXW.Net | By EA4AK; QRV on most needed bands and modes; auto-QSL via Buro, QSL also OK via Club Log, eQSL |

Congratulations to the following hams who successfully either joined the ham ranks and/or advanced in class:



| | | |
|--------|-----|----------------|
| W1ENG | [E] | Bob Eng* |
| KN4AWO | [T] | Ron Tramontano |
| KN4AWP | [T] | Nicolo Zaza |
| KN4AWQ | [T] | Paul King |

* BRARA members

Stuart Hamfest

Start Date: 03/18/2017
End Date: 03/18/2017
Location: Martin County Fairgrounds
 2616 SE Dixie Highway (A1A)
 Stuart, FL 34994
Website: <http://www.stuarthamfest.com>
Sponsor: Martin County Amateur Radio Association
Type: ARRL Hamfest
Talk-In: 147.060 (PL 107.2)
Public Contact: Doug Shields , W4DAS
 1450 SE 11th Street Stuart, FL 34996
Phone: 772-349-7820
Email: w4das@comcast.net

Free Laurel VEC Testing



Sun 05-Mar-2017, 11:00-13:00, Fire Station 28, 1040 RPB Blvd, Royal Palm Beach [PWARC] (1st Sunday of odd months).

Tue 14-Mar-2017, 18:00-19:30, Broward Gen MC, 1600 S Andrews Ave, Ft Lauderdale [BARC] (2nd Tue of every month).

Thu 11-May-2017, 19:00-21:00, Rutherford Com Ctr, 2000 Yamato Rd, Boca Raton, FL 33498 [BRARA] (Quarterly: Feb, May, Aug, Nov)

Palms West ARC Flea

Start Date: 03/04/2017
End Date: 03/04/2017
Location: JFCS Center
 5841 Corporate Way
 West Palm Beach, FL 33401
Website: <http://palmswestradio.org>
Sponsor: Palms West Amateur Radio Club, Inc.
Type: ARRL Hamfest
Talk-In: 147.045 (PL 110.9)
Public Contact: Robert Pease , KS4EC
 11894 Briarpatch Court Wellington, FL 33414
Phone: 561-358-9999
Email: ks4ec@arrl.net

Titusville Tailgate

Start Date: 03/25/2017
End Date: 03/25/2017
Location: Fox Lake Park
 4400 Fox Lake Road
 Titusville, FL 32780
Website: <http://titusvillearc.org>
Sponsor: Titusville Amateur Radio Club
Type: ARRL Hamfest
Talk-In: 146.97 (PL 107.9)
Public Contact: Sherry Ferguson ,
 KU4ZO
 4835 Santa Rosa Avenue Titusville, FL 32780
Phone: 321-269-2796
Email: Ku4zo@cfl.rr.com

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).

Welcome New Members:

AAAnAAA Name

For more on BRARA:

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.

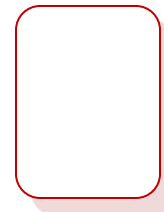
the Radio Flyer's Purpose

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 R.F* 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

