



# the Radio Flyer, a BRARA Newsletter

September 2015

## BRARA Calendar:

**19:00-21:00 Tue 01-Sep-15**  
Club Meeting @ West Boca Library

**09:00-12:00 Wed 02-Sep-15**  
Ham Shack Work & Radio Day

**09:00-12:00 Sat 05-Sep-15**  
Ham Shack Work & Radio Day

**Mon 07-Sep-15 Labor Day**

**19:30 Mon 07-Sep-15**  
Informal Net on 145.29 [110.9]  
followed by South County NBEMS Net

**09:00-12:00 Wed 09-Sep-15**  
Ham Shack Work & Radio Day

**Wed 11-Sep-15 Patriot Day**

**09:00-12:00 Sat 12-Sep-15**  
Ham Shack Work & Radio Day

**Sun 13-Sep-15 Grandparent's Day**

**Sundown Sun 13-Sep-15 Rosh Hashannah**

**19:30 Mon 14-Sep-15**  
Informal Net on 145.29 [110.9]  
followed by South County NBEMS Net

**09:00-12:00 Wed 16-Sep-15**  
Ham Shack Work & Radio Day

**Thu 17-Sep-15 Citizenship Day**

**Fri 18-Sep-15 National MIA/POW Recognition Day**

**09:00-12:00 Sat 19-Sep-15**  
Ham Shack Work & Radio Day

**19:30 Mon 21-Sep-15**  
Informal Net on 145.29 [110.9]  
followed by South County NBEMS Net

**Sundown Tue 22-Sep-15 Yom Kippur**

**09:00-12:00 Wed 23-Sep-15**  
Ham Shack Work & Radio Day

**09:00-12:00 Sat 26-Sep-15**  
Ham Shack Work & Radio Day

**27-Sep-15 Gold Star Mother's Day**

**12:00 Noon Sun 23-Aug-15**  
Soft Deadline for Newsletter

**19:30 Mon 28-Sep-15**  
Informal Net on 145.29 [110.9]  
followed by South County NBEMS Net

**09:00-12:00 Wed 30-Sep-Aug-15**  
Ham Shack Work & Radio Day

**09:00-13:00 Sat 03-Oct-15**  
Ham Shack Work & Radio Day



## Speaker<sup>4cg</sup>

This month we are pleased to announce that KB1PA (Barry) has a presentation on Digital Modes following:

- A discussion on where we are with the new shack, planning phases, things to do and the other things in the works to make it a reality.
- A vote on a motion to change the by-laws to raise the expenditure limit to \$500 without general membership approval.



## Repeater, HSMM, & Ham Shack News

The weekly worker group meets almost every Wednesday and Saturday morning roughly between 0900 and 1300.

Both Analog repeaters are working. The 2m repeater power amp has been operating with 85w output.

Repeater 2m/70cm linking as well as the time stamp are still works in progress Testing and tweaking of the new Controller continues.

We have the registration number for the additional 70 cm repeater controller. Manual is forthcoming.

The Digipeater is up and running. The packet repeater is a work in progress.

We have secured a limited internet connection at the Shack for spotting -no streaming downloads.

Plans and preparations for the new shack trailer are proceeding.

## QSL Report

As we close out the month, N4BRF has logged in 2,023 QSLs/6,992 QSOs (28.9%) on LoTW.

**DXCC Account Status:** New this month: Navassa Island (KP1). Awards received: Mixed, CW, Phone, 15m and 10m DXCC.

**WAS Account Status:** Awards issued: Mixed, 20m, CW, Phone, Digital, Triple Play. We still need:

- AK, ID, MT, NE for 40m
- AK, AR, NE, WV for 15m
- NE for RTTY
- MT, ND, WY for 20m Phone
- LA, NV, RI for 20m CW.
- Working on 5BWAS.

We have received the following QSOs from Field Day activities:

- 167 (+2) QSLs from 2012,
- 171 (+1) QSOs from 2013
- 231 (+0) QSOs from 2014
- 232 (+35) QSOs from 2015

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

Update at the next Club Meeting.



## ARRL Board Approves Dues Hike, HF Band Plan, 2016 National Parks Centennial Event<sup>4eld</sup>

Meeting over the weekend in Windsor, Connecticut, the ARRL Board of Directors has approved a \$10 increase in the League's annual dues rate, effective January 1, 2016. In doing so, the Board adopted a recommendation of the Administration & Finance Committee. ARRL basic dues have been held at \$39 a year since 2001. In addition, the Board adopted amendments to the ARRL HF Band Plan – with some tweaks, okayed a National Parks On The Air (NPOTA) operating event in 2016 to celebrate the National Park Service centennial, began the search for a successor to ARRL CEO David Sumner, K1ZZ, who will retire next May, and named several ARRL award recipients. Sumner said the League has done as much as it can to hold off a dues increase for more than a decade, but now it's a necessity, not an option.

"One of the most difficult decisions a membership organization faces is a dues increase," he said. "Over the past 14 years we have managed to hold the increase in expenses to just 19 percent, against a US inflation rate of 32 percent over the same period. We have implemented operating efficiencies that allowed reducing the staff by 15 percent while expanding the range of services to members and to Amateur Radio as a whole. We created a development program, offering to those members who have greater financial capacity an opportunity to support their national association at a higher level."

Enhanced membership services since 2001 include inauguration of Logbook of The World® (LoTW), a digital edition of QST at no additional cost, expanded QST and video product reviews, ARRL publications for Kindle, Online Exam Review, and free license renewal assistance. The League also has upgraded its public service support with additional staff, the Ham Aid program, Emergency Communications Training, and the ARES® E-Letter. Also new since 2001 are the Education & Technology program, the Teachers Institutes on Wireless Technology, and the Amateur Radio on the International Space Station (ARISS) program.

Advocacy on behalf of Amateur Radio has included relentless defense of Amateur Radio spectrum, the Amateur Radio Parity Act, and an increased awareness of the value of Amateur Radio on Capitol Hill. The League also

mounted a centennial celebration in 2014 that included a national and six regional conventions, the Centennial QSO Party, and W1AW portable operations.

Details of ARRL's revenues and expenditures are available in its **Annual Report** archive for 2002 to 2014.

"ARRL manages its resources judiciously and keeps costs as low as possible while maintaining a consistently high level of service for all members," Sumner concluded. "Raising dues will ensure that high-quality programs and services will continue for all members as we provide a unified voice that protects and promotes *all* of Amateur Radio."

**Simon, G4ELD**

## Dayton Hamvention: Attendance Rose Slightly Over 2014<sup>8hjr</sup>

The official attendance at the 2015 **Dayton Hamvention®** was 25,621. That's an increase from the official count of 24,873 visitors last year – or an additional 748 attendees. The 2013 attendance was 24,542.

Hamvention attendance peaked in 1993 at 33,669, before the 1996 change in date from April to May.

While attendance has fluctuated over the years, Dayton Hamvention has grown to international proportions, attracting members of the worldwide Amateur Radio community each spring.

The sponsoring Dayton Amateur Radio Association (DARA) already has begun counting down the days to the next Hamvention on May 20-22, 2016. –

*Thanks to Henry Ruminski, W8HJR*



## HamShield Turns an Arduino Into a VHF/ UHF Transceiver<sup>kb6nu</sup>

By **Dan Romanchik, KB6NU**

The Arduino seems to be making a big splash in ham radio circles these days. The ARRL has recently published a couple of books about the Arduino and Arduino-based amateur radio projects. And, recently, I purchased a NanoKeyer (nanokeyer.wordpress.com), which is a CW keyer powered by an Arduino Nano.

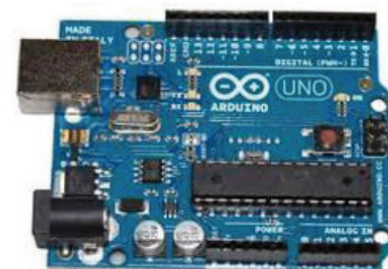
Now, a couple of enterprising young hams have built the HamShield (<https://www.kickstarter.com/projects/749835103/hamshield-for-arduino-vhf-uhf-transceiver>). It's an Arduino shield that turns an Arduino into a VHF/UHF transceiver. With the HamShield, you can transmit and receive on the 2 m, 220 MHz, and 440 MHz bands.

According to Casey, KC7IBT, one of the project leaders, "We have both voice and data working on the shield right now and also have a powerful library to control it."

"We also have it talking to the Chrome browser, so any computer that can run a web browser can operate a packet radio station or voice station. We also have another piece of chrome software called "APRS Messenger", a text messaging app for APRS. One of our prototypes is in a neat little case that clips right to the back of your laptop (shown in the video). I will launch these apps in the Chrome Store once we get closer to completion.

"We have 10 working prototypes currently, but need to raise money to fund the production cost and get the unit prices down to acceptable levels. This means buying parts in bulk and reducing production costs."

I think this is a very cool project, and I hope that you'll consider supporting the HamShield Kickstarter project. I plan to get one and see what I can do



# FREEBIE

## Simon's Greyline

A new software package for Windows from Simon Brown (G4ELI) is slowly emerging. Everyone should know Simon for being the original author of Ham Radio Deluxe, and most recently his superb SDR-Radio package: sdr-radio.com.

The new software is called Simon's Greyline and is a FREE download without any restrictions. Latest version is Build 157 and is available from <https://www.dropbox.com/s/5t4wuudp30chxgo/Simon%27s%20Toolbox%202015-01-08.zip?dl=0>. The software is "slowly emerging", so I expect more modules and additions to appear over time.

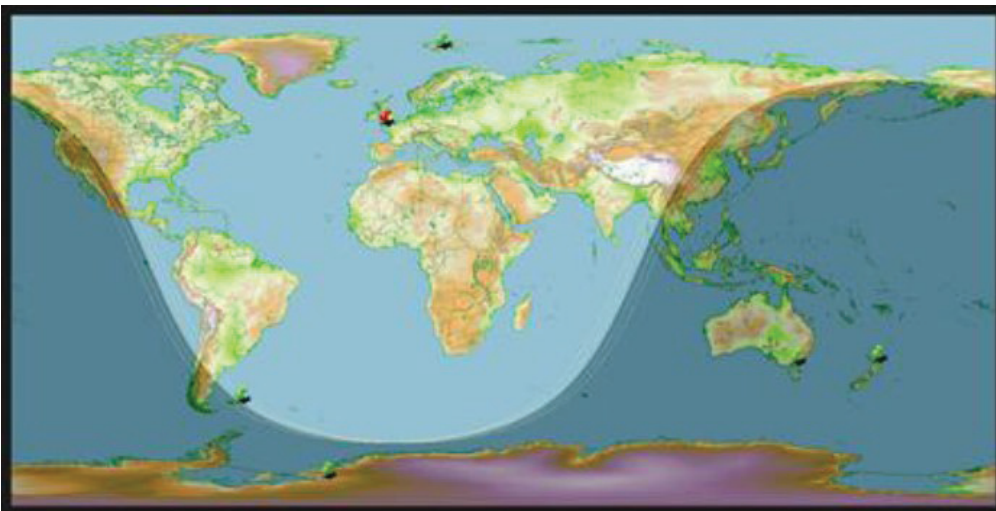
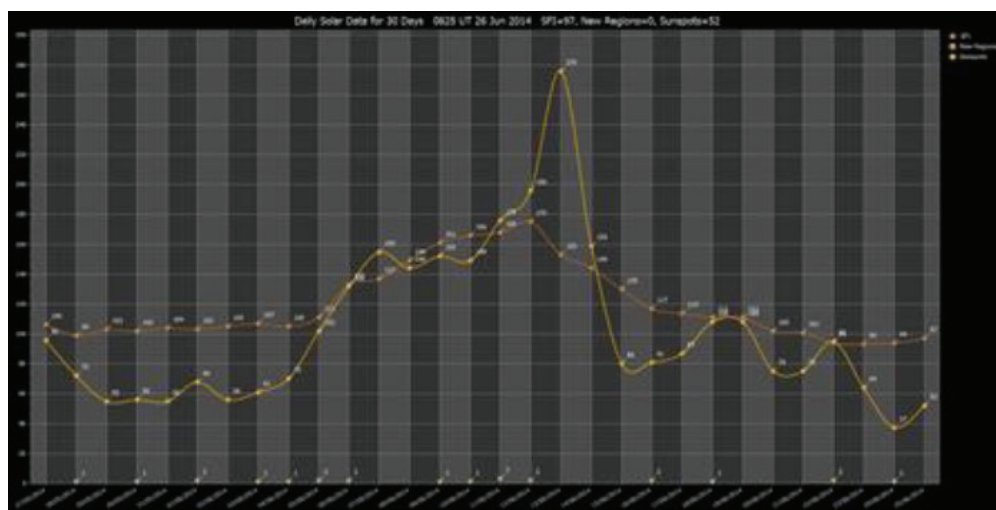
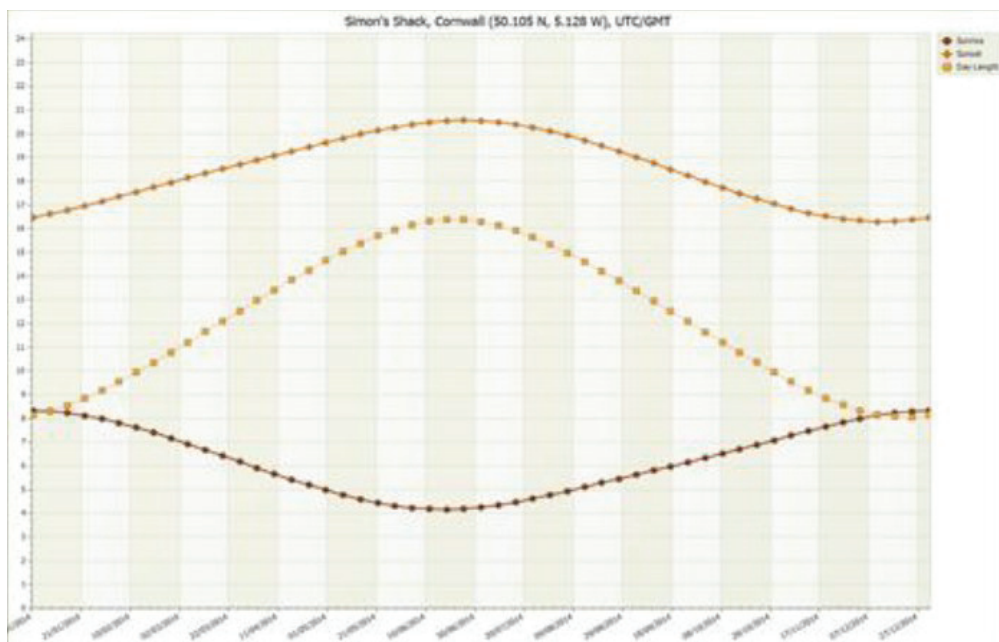
Currently the main screen shows a Map with Greyline and QTH info, with optional side panes, clock, solar data and geomagnetic data windows to the main display. Different configurations are available, you will just have to have a play around with what suits your mood.

From the top of the Toolbar there is a sub menu marked "More" which will then call up three other graphical sub screens via their separate icons. Geomagnetic indices, Solar Data, and Sunrise & Sunset as below:

Geomagnetic data  
Solar Data  
Sunrise Sunset

This is a great addition to the shack desktop, for those who require up to date Sunspot and Solar flux Data. I currently have it loaded on a Windows 7 (32) package, but I expect it will work on XP and anything upwards without any problems.

Give it a try and have a play and see what you think.



## DMR Digest kg4fur

More than 10% of our membership have DMR IDs:

3112249	KG4FUR	Gerry
3112279	W4BFL	Jerry
3112295	KB1MPI	Ron
3112300	W4WCD	Walt
3112337	KE4OBV	Patrick
3112339	K4KGG	Larry
3112348	W3EZB	Marcos
3112370	KO4XL	Bruce
3112455	K4LEW	Lew
3112525	WA8VSJ	Art
3112529	N4BRF	BRARA
3136260	WA2VNV	George

The 3112 identifies a Florida station and the 3136—New York station.

### Scheduled DMR Nets include:

Day	EDST	Talk Group	
Mon	1600	TG-13 (EN)	UK
Wed	2100	TG-03 (NA)	Tech
Sat	1200	TG-01 (WW)	

### Local DMR Repeaters include:

Location	Rx Freq	Color Code
Dania Bch	442.4000	1
Plantation	442.4250	1
Boca Raton	442.0000	8
Delray Bch	443.3000	1
Boynton Bch	442.3000	7 New
Lk Worth	444.4500	10
PBG	442.1000	10
Jupiter	442.6000	10



## Monday Night Club

### Sponsored Nets<sup>kg4fur</sup>

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

- ⇒ BRARA New HAMS Net: **19:00-19:30**. Although designated a new HAM net, seasoned veterans are encouraged to get on the air and share their knowledge with the new HAMS on the 145.290 -0.600 P
- ⇒ BRARA Informational Net: **19:30-20:00**. This informal net fosters communication on topics of general HAM interest to include radio equipment & operation, club activities. Out-of-Area Amateurs may check-in via Echolink. Our Node is 826953.
- ⇒ South County NBEMS Net **20:00-20:30**. A digital message/analog voice mixed mode net designed for HAMS interested in learning and practicing digital message techniques.

## NBEMS<sup>kg4fur</sup>

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"

There are currently three NBEMS nets locally meaning three times the opportunities for NBEMers.

- ⇒ The South County NBEMS Net on the 145.290 -0.600 [PL 110.9] repeater **meets Mondays at 20:00**.
- ⇒ The PBC NBEMS Net on the 147.285 +0.600 [PL 103.5] repeater **meets Tuesdays at 1930**.
- ⇒ Knights of the Round Table Simplex Net 146.550 **meets 1<sup>st</sup> & 3<sup>rd</sup> Saturdays at 10:00**.

Already on board in addition to BRARA, Wellington Radio Club and Knights of the Round Table are Broward EOC, Eagle Wings Foundation, Jupiter Lighthouse Radio Group, PBC Skywarn, Platinum Coast Amateur Radio Society.

It also works on GMRS, CERT, Red Cross and other frequencies.

## Other Local HAM

### Repeater Nets

Tue 19:30 Boca CERT: 145.225 MHz  
Wed 19:00 SC-ARES: 147.225 MHz  
Thu 19:00 WX45FL: 444.025/444.850

## New Shack Committee

A committee was formed to supervise donations, planning, and implementation of the new shack trailer: **K4LEW** (Lew), **W3EZB** (Marcos), **WA2VNV** (George), **WA8VSJ** (Art), **W4BFL** (Jerry),

## 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 new BRARA Board of Directors:

**K4LEW** (Lew), **KG4FUR** (Gerry),  
**K04XL** (Bruce), **N4CGC** (Max),  
**W3EZB** (Marcos), **W4BFL** (Jerry),  
and **W4WCD** (Walt)

We hold weekly luncheon meetings at 11:30 Mondays (quorum permitting) at Miller's Ale House, 1200 Yamato Rd, Boca Raton, FL 33431. (561)988-9142  
[www.millersalehouse.com/location/east-Boca-ale-house](http://www.millersalehouse.com/location/east-Boca-ale-house)

## 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.

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

**\$30 donation**—BRARA Polo Shirt with your Call Sign.

**\$40 donation**—BRARA button down red denim shirt (long or short sleeve)

**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.

**Thank you for your continued support.**

## Membership

### Application &

### Renewal

- ☐ \$20 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

☐ ARES ☐ MARS ☐ CERT

☐ Award Chasing ☐ Ragchewing

☐ Building & Experimenting ☐ Other: \_\_\_\_\_

Signature: \_\_\_\_\_

**Return to BRARA Secretary with Dues:**

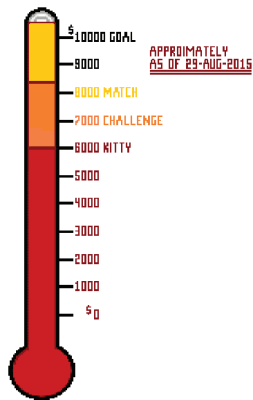
Walt Dreyfus, W4WCD  
21512 Woodchuck Ln,  
Boca Raton, FL 33428  
(954) 481-5327

## Progress on New & Larger Shack Trailer

As you are aware the Boca Raton Amateur Association is diligently working towards obtaining a larger shack building. Thanks to your participation the club has experienced a healthy growth (nearly 100 members) and as a result the current shack has outlived its capacity. We find ourselves cramped for space. The new shack will have better radio operation as well as social gathering areas. It is for this reason that we are appealing to the membership to consider making a Donation (which is totally tax deductible) towards the fund that the club board has set up For this endeavor. Mark your donation with the following: "BRARA Shack fund drive"

Member Donations have started to trickle in. Likewise, equipment sales are starting to come in. There is still a lot of planning and considerable thought needed before we get there.

Revised estimates are \$9K for the trailer and \$1K to install. We have a little more than 80% in the kitty including promised donations and expected equipment sales. A new AC unit will cost a little less than \$3K. Any donations are appreciated.



We have an offer a donation-matching service for the new shack fund. They will match, dollar-for-dollar, each donation made to the fund, until BRARA reaches its goal or the end of the general meeting in September - whichever comes first. That is to say, this is a limited-time offer: Once the gavel comes down on September 1<sup>st</sup>, the matching goes away.



**No Smoking**

UNLESS YOU'RE A RADIO WITH A SHORTED CAPACITOR.

## Holiday Party

This year's Holiday Party will be held on Thursday 17-December-2015 at the Greenbriar Homeowners Association Clubhouse, lRaton in Boca Chase.

Directions: Upon entering Boca Chase from US-441, continue Boca Chase Dr 0.25 mile, turn right on 180th Pl S for another 0.25 mile. It is on the right just past 105th Ave S. Park on right side of 180th Pl S ocated at 10525 180th Pl S, Boca and not on grass.

2 new things this year: we are BYOB and have to clean up after ourselves.

## 10-4, 21-50

Remember Dan Matthews? This 1955 Episode of *Highway Patrol* "Radioactive" Features amateur radio and mentions the ARRL.

(*Trekker Trivia: Highway Patrol* had *Star Trek* connections. Leonard Nimoy, Mr. Spock of *Star Trek*, plays Harry Wells in "Hot Dust" (1957) and Ray in "Blood Money" (1958). Gene Roddenberry wrote five episodes of the program using the pseudonym Robert Wesley.)

<https://www.youtube.com/watch?v=mMLpy8l87bY>



## Ice Ice Baby

Get out those 807s (both kinds) and stay warm!

<http://www.dailymail.co.uk/sciencetech/article-3156594/Is-mini-ICE-AGE-way-Scientists-warn-sun-sleep-2020-cause-temperatures-plummet.html>

## Motion to Raise the Expenditure Limit from \$200 to \$500<sup>kg4fur</sup>

Per our Bylaws in *Section 6-Duties of President*, he is empowered to accept funds and make disbursements subject to a \$200 limit. Expenditures greater than \$200 must be approved by the general membership at a general meeting.

We are starting to find ourselves in situations where the purchase price of Club and Shack items exceeds our limit and is delaying Board action, if not onerously restricting the Board of Directors from immediately acting.

**The Board desires to increase the above limit to \$500.**

Article 9.1, *Amendment of Bylaws*, requires a 2/3 affirmative vote of the BRARA membership responding in person to amend the bylaws. Proposed amendments must be made known to the general membership thirty days in advance via this Newsletter stating the meeting night in which the vote is to be taken. A simple show of hands vote is sufficient for all voting issues except for the election of Officers or special voting issues requiring paper ballots. Once the vote has been taken, it cannot be brought before the general membership again for at least one year following the initial vote.

This being said, the August newsletter was circulated before 1-August-2015 so that we adhere to the thirty day advance requirement for our 1-September-2015 meeting where the general membership will vote on the motion to increase the spending limit to \$500.

(Gerry, 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.

Send your articles to:  
KG4FUR@N4BRF.org

## FL State Convention 50th Anniversary Melbourne Hamfest

Start Date:.....

End Date:.....

Location: .....

Website:.....

Sponsor:.....

Type:.....

Talk-In:.....

Public Contact:.....

Email:.....

## Free Laurel VEC Testing



Tue 08-Sep-2015, 1800-1930,  
Broward Gen MC, 1600 S Andrews  
Ave, Ft Lauderdale [BARC] (2nd Tue  
of every month).

Sun 13-Sep-2015, 1100-1300, Fire  
Station 28, 1040 RPB Blvd, Royal  
Palm Beach [PWARC] (1st Sunday of  
odd months).

Thu 12-Nov-2015, 1900-2100,  
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).

## Welcome New Members!

Richard Hartford	KM4IQH
Ahmad Zia Mian	KM4MFR
Anthony Zaza	KM4MFX
Mirlagros Zaza	Associate
John Quarquesso	KM4MFW
Jackson Quarquesso	KM4MFZ
David Selzer	K4VJZ
Peter Sobel	W1GIQ

We are now over 100 members

Web site hits: 20,000

For more on BRARA

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

## License Upgrades<sup>W2do</sup>

### New Extra:

James O'Reilly KM4MFI

### New Generals:

Tyler Frederick KM4MOJ  
John Quarquesso KM4MFW

### New Technicians:

Clyde Barbieri  
Nekoda Woodbury

Next session 1900  
Thu 12-Nov-2015



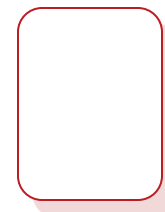
the.....

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 <sup>th-R F</sup>  
as much as we did publishing it!



the Radio Flyer

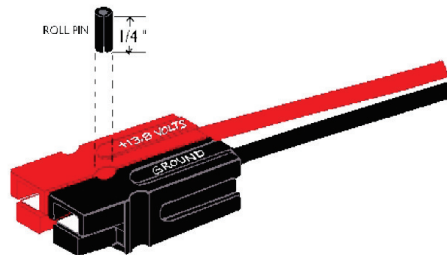
5724 Regency Circle West  
Boca Raton, FL 33496-2760



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



# Anderson Powerpole Connector



compact unit.

Housings should be mated according to the diagram above, viewing from the contact side (opposite the wire side), tongue down, hood up, RED on the LEFT, BLACK on the RIGHT. Use a 3/32-inch-diameter roll pin, 1/4 inch long, to keep the housings from sliding apart.

**NOTE: Many sources recommend NOT using the roll pin, but instead gluing the connectors with super glue, etc. The logic behind that idea, is that if the metal roll pin falls out, and is near electrical connections, there is always a small chance of a short, causing problems for you. I've chosen to use the glue method instead of pins. It also allows you to use some of the new retaining clips to hold the clips together when using a power block, etc.**

Highly conductive silver-plated copper contacts allow minimal contact resistance at high currents. Self-wiping action on make and break keeps conducting surfaces clean. Contact dents keep connectors mated in high-vibration applications and provide quick-break, snap action upon disconnect.

Noncorrosive stainless-steel leaf springs maintain constant contact pressure-ideal for frequent connections/disconnections and intermittent overloading. Durable, high-impact-resistant, polycarbonate housing with UL94V-2 flammability ratings comes in many colors for circuit traceability and coding.

Identical connector halves are genderless-making assembly quick and easy and reducing the number of

parts stocked. Molded-in dovetails allow for a customized harness in a variety of configurations. When the connectors are disconnected, no metal parts are exposed.

The 15-ampere contacts are designed for 16-20 AWG wire, the 30-ampere contacts are designed for 12-16 AWG wire and the 45-ampere contacts are designed for 10-14 AWG wire. The contacts can be soldered or crimped to wires. An expensive crimping tool (#1367G1) is available from Anderson. Other, less expensive, crimping tools are available from some of the sources listed below. After a contact has been attached to a wire, it should be installed into the housing so that the housing spring mates with the underside of the contact.

To remove a contact from the

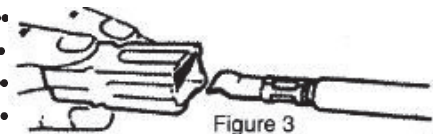


Figure 3



Figure 4



Fig. 5 (Cut Away)

housing, use Anderson insertion/extraction tool #111038G2. You may also substitute a very small blade (jeweler's screwdriver or X-acto knife) to depress the spring, allowing the contact to be removed.

The connectors can be panel mounted with clamp receptacles, consisting of two aluminum plates (Anderson part #1462G1), notched to hold the plastic housings when they are dovetailed together. The plastic housings come in other colors also. Red and black are suggested for standard DC connectors (red as positive and black as negative).

You can buy these in sets, usually found in quantities of 10, 25, 50 or 100 sets per package. Expect to pay higher prices per piece for the lower quantity packages.

Other products are available which take advantage of the Anderson Powerpole connectors include the various power panels available from Quicksilver Radio, DX Engineering, MFJ, Rigrunner and Saratoga.

Anderson Power Products Web Site: <http://www.andersonpower.com/>

(Article courtesy of San Antonio Hams,

<http://www.sanantoniohams.org>)



# New Shack Work Plan

## Update kg4furFUR

The Board has placed a down payment on the new shack. See rough drawing/schematic of the new trailer. Delivery will be after we receive the necessary Palm Beach County permitting. We expect delivery and installation to include tie-downs in about a month.

We are now in the planning process-figuring what has got to be done when and where stuff will go.

- With two station areas, the current thinking is to have one for HF and one for VHF/UHF with an area for temporary personal equipment area.
- There is a work bench area for working on radios that will include all the test equipment.
- There is a closet area for parts and other small stuff
- And finally there is a common area for socializing/rag chewing, cold refreshments, coffee and a certificate wall.

Once installation and permits are completed the real work begins:

- Electrical hook-up
- Flooring
- Painting
- Cable Runs
- Shelving and Bench Installation
- Equipment Installation/Hook-Up
- Mounting Certificates
- Odds & Ends

Outside, antenna reconfiguration, will begin. We will have to lower the existing towers to move antennas and install other antennas. Also, any inspections, preventive maintenance and needed repairs can be made.

Our New Shack Committee will be honing and revising and prioritizing the "to-do" list. Please send your suggestions and recommendations to Jerry and his team:

- **W4BFL** Jerry Zaza
- **K3LEW** Lew Lehman
- **WA8VSJ** Art Lewis
- **W3EZB** Marcos Rajer
- **WA2VNV** George Snitched

There is still a lot of work to do. Your continued support (monetary and labor) are both appreciated and needed.

