



the Radio Flyer, *a BRARA Newsletter*

November 2014

BRARA Calendar:

- 00:00 Sat 01-Nov-2014**
Nominations for Directors Closed
- 09:00-13:00 Sat 01-Nov-14**
Ham Shack Work & Radio Day
- Sun 02:00 02-Nov-2014 Daylight**
Savings Time Ends-Fall back 1 Hour
- 19:30 Mon 03-Nov-14**
Informal Net on 145.29 [110.9]
followed by South County NBEMS Net
- 09:00-13:00 Wed 05-Nov-14**
Ham Shack Work & Radio Day
- 09:00-13:00 Sat 08-Nov-14**
Ham Shack Work & Radio Day
- 19:30 Mon 10-Nov-14**
Informal Net on 145.29 [110.9]
followed by South County NBEMS Net
- Tue 11-Nov-2014 Veteran's Day**
- 09:00-13:00 Wed 12-Nov-14**
Ham Shack Work & Radio Day
- 18:00-20:30 Wed 12-Nov-14**
Laurel VE Testing @ W Boca Library
- 20:30-21:00 Wed 12-Nov-14**
Club Meeting @ West Boca Library
- 09:00-13:00 Sat 15-Nov-14**
Ham Shack Work & Radio Day
- 19:30 Mon 17-Nov-14**
Informal Net on 145.29 [110.9]
followed by South County NBEMS Net
- 09:00-13:00 Wed 19-Nov-14**
Ham Shack Work & Radio Day
- 09:00-13:00 Sat 22-Nov-14**
Ham Shack Work & Radio Day
- 12:00 Noon Sun 23-Nov-14**
Soft Deadline for Newsletter
- 19:30 Mon 24-Nov-14**
Informal Net on 145.29 [110.9]
followed by South County NBEMS Net
- 09:00-13:00 Wed 26-Nov-14**
Ham Shack Work & Radio Day
- Thu 27-Nov-2014 Thanksgiving Day**
- 09:00-13:00 Sat 29-Nov-14**
Ham Shack Work & Radio Day
- 19:30 Mon 01Dec-14**
Informal Net on 145.29 [110.9]
followed by South County NBEMS Net
- 19:00-21:00 Tue 02-Dec-14**
Club Meeting @ West Boca Library



No Speaker this Month

In November, there will not be a Speaker. Instead, our program begins a 18:00 with **Laurel VE Testing**. Testing is free and you may take the test multiple times at this session.

Testing will be followed by a brief business meeting.

We are working on a topic and speaker for our December meeting.



Repeater, HSMM, & Ham Shack News

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

At the repeater site, a power distribution block was installed to fuse the repeaters and associated equipment individually. They are no longer tied together at the power supply. Both the 70 cm and 2 m machines are operational.

Repeater 2m/70cm linking is still a work in progress as is correcting the repeater time-stamp. Testing and tweaking of the new Controller continues.

An additional 70 cm analog repeater has been acquired and the Club is exploring the best way to use this resource.

The HSMM club project is also a work in progress.

QSL Report ^{N43J}

As we close out the month, N4BRF has logged in 1,452 QSLs/5,055 QSOs (28.7%) on LoTW.

N4BRF DXCC Account Status: No new this month. DXCC Awards received include: *Mixed, CW and Phone.*

N4BRF WAS Account Status: We have received 162 QSLs from each of the 2012 and 2013 Field Days and 202 QSOs from the 2014 Field Day activities. *Awards received: Basic. We need VT/20m, UT/Phone, NE/Digital, AR/DE/NE/RTTY.*

N4BRF Triple Play Award Status: CW 50, Phone 49, Digital 47, Total 146 (of 150 needed). *New this month-AR and DE Digital.*

N4BRF VUCC Account Status: New this month: FN42 (N1FD). *The Fred Fish Memorial Award is still a work in progress.*

Next update at the 12-Nov-2014 Club Meeting.



**Subject: 80
Scholarships
Available to Amateurs**

Starting October 1, The ARRL Foundation will begin accepting scholarship applications from eligible young radio amateurs pursuing post-secondary education. Individuals and clubs support many of the 80 scholarships, ranging from \$500 to \$5,000, that are awarded annually. In addition, one applicant may be selected to receive the prestigious William R. Goldfarb Memorial Scholarship, a "gap" scholarship that assists with the cost of college throughout four academic years to earn a bachelor's degree in a business, computer, medical, nursing, engineering, or science-related field. Applicants for all scholarships must be active radio amateurs and must complete and submit the online application, which will be available on October 1.

For more information:

<http://www.arrl.org/news/the-arrl-foundation-invites-scholarship-applications-for-2015-16-academic-year>

73 de

Doug Rehman, K4AC [Director] &
Mike Lee, AA6ML [Vice Director]
ARRL Southeastern Division

**PBC HAM Repeater
Scanner Feed a31@**

Please be advised that I recently put a scanner feed for the Palm Beach County Ham Radio Repeaters on www.radioreference.com and www.broadcastify.com. This feed should be available free of charge 24/7 and scans all of the local area repeaters. Please let me know if you have any comments or suggestions for the feed. Chris_hite@bellsouth.net

Skywarn Class

The next Skywarn Class begins 0930 on Saturday 08-Nov-2014 at the PBC EOC located on Military Trail just south of Southern Blvd (Four Points).

Contact PBC Skywarn Coordinator:
Maurice Dake K9EE
561-374-4249
mldake@comcast.net for more details.

BRARA OPEN HOUSE

Date: 11/8/14
Time: 10:00 AM

- The Boca Raton Amateur Radio Association's third anniversary station open house Everyone is welcome Hams, family members, friends come on out for a fun day
- Talk in 145.29 (pl 110.9)
- We are going to have a FOX HUNT bring your tracking radio

- Ham Radio
- Hot Dogs
- Burgers
- Drinks
- Fox Hunt
- Prizes

BRARA CLUB SHACK LOCATION
10875 W Atlantic Ave Delray Beach, Florida
33446

BOCA RATON AMATEUR RADIO ASSOCIATION
21512 Woodchuck Lane
Boca Raton, Florida 33428

Phone 954-481-5327
E-mail W4WCD@N4BRF.ORG

WWW.BRARA.ORG

**The Boca Raton
Amateur Radio
Association's Fourth
Annual Station Open
House 11/08/14**

On Saturday 08 November 2014 between 1000 and 1400 hours and at the "Shack", the BRARA Club will hold a Radiator Grill celebrating our Fourth Annual Station Open House.

Come join us for soft drinks and grill "fix-ins" at the "Shack" at the western end of Atlantic Ave in the

West Delray Regional Park
1087 West Atlantic Ave
Delray Beach FL 33446

We will be having a raffle and a 2 m fox-hunt. Details at the event.

Spouses and significant others are welcome too.

2015 Club Dues

Club dues are due with the first of the new year and by the 06-January-2015 Meeting.

An alternate approach is to donate \$100 to the Club and get a tax credit with a year's free membership at the same time. Remember, we are a 501c3.

2015 BOD Elections

Nominations were closed as of 01-November 2014. Ballots will be distributed by email to all 2015 dues paid Club members.

The General Election for the Club's Board of Directors will be held at the 03 February 2015 Meeting.

Electronic Ballots must be received before the February 2015 Meeting. Only ballots from 2015 dues paid members at the time of their vote are valid.

NBEMS Update *kg4fur*

With the rapid growth of Narrow Band Emergency Messaging Systems (NBEMS), Palm Beach Emergency Messaging Associates (PBEMA) is now known as Florida Emergency Messaging Associates (FLEMA). Same role, just more inclusive.

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"

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 1st & 3rd Saturdays at 10:00.**

Already on board in addition to BRARA, Wellington Radio Club and Knights of the Round Table are Broward EOC, Central & South PBC ARES, 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.

SCARES Net *kk4ati*

The South County ARES Net is at 7:00 PM Wednesdays preceding the North County ARES 7:30 PM net and the Central County ARES 8:00 PM net.

Notes: These nets are to TEST out your Radio Equipment and Operator Training.

- ♦ The primary net repeater is 147.225 MHz +600 kHz offset [PL 107.2].
- ♦ The secondary repeater is 146.820 MHz -600 kHz offset [PL 110.9].
- ♦ The tertiary repeater is 145.290 -600 kHz offset [PL 110.9].
- ♦ Simplex frequencies include 146.550 MHz (SCARES), 147.530 MHz (EOA5), and 147.550 MHz (EOA6).

Club Net

145.290 -0.600 [PL 110.9] EC-826953
Monday Evening Informal Net @ 1930

Remember that we are as close as Echo Link [EC 826953]. So stay in touch with us on Monday nights at 19:30 (7:30 PM our local time). KG4FUR, our NCS, looks forward to Echo Link contacts. We all do!

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
1087 West Atlantic Avenue
Delray Beach, FL 33446

Board of Directors Scheduled Meetings

The BRARA Board of Directors:

K4LEW (Lew), **KG4FUR** (Gerry),
KJ4RHP (Mike), **KO4XL** (Bruce),
N4CGC (Max), **W4WCD** (Walt) and
W3EZB (Marcos)

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

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.

2014 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

Link McGarity W4J Memorial Free Flea

Date: 01 Nov 2014
Location: AJFCS
5841 Corporate Way, Suite 200
West Palm Beach, FL 33401
Website: www.palmswestradio.org/
Sponsor: Palms West ARC
Type: ARRL Hamfest
Talk-In: 147.045 (PL 110.9)
Public Contact: Robert Pease ,
KS4EC
11894 Briarpatch Court East
Wellington, FL 33414
Phone: 561-358-9999
Email: ks4ec@att.net

UM Free Flea

Date: 15 Nov 2014
Location: University of Miami -
Physics / Gifford Arboretum Parking
Lot
5101 San Amaro Drive
Coral Gables, FL 33114
Website: <http://www.flamingonet.8m.net>
Sponsor: Flamingo Net ARC /
University of Miami ARC
Type: ARRL Hamfest
Talk-In: 147.150 +.600 (PL 94.8)
Public Contact: William Moore ,
WA4TEJ
1451 NE 102nd Street Miami Shores,
FL 33138
Phone: 305-751-1874
Email: wa4tej@juno.com

Welcome New Members:

N2WVY Bernie Barnett
KI4IQZ Mary Flak
KB1PA Barry Porter

www.n4brf.org



the Radio Flyer

5724 Regency Circle West
Boca Raton, FL 33496-2760

Email KG4FUR@n4brf.org with
Articles/Constructive Critique



Hamfest In The Woods Hamfest

Date: 29 Nov 2014
Location: Freedom Ranch
11655 US Highway 441 SE
Okeechobee, FL 34972
Website: <http://K4OKE.com>
Sponsor: Okeechobee Amateur
Radio Club
Type: ARRL Hamfest
Talk-In: 149.195 (PL 100.0)
Public Contact: Charles Whipple ,
W4PHD
32801 Highway 441 North, Lot 48
Okeechobee, FL 34972
Phone: 863-467-2487
Email: charles.whipple4@gmail.com

Tour de Cure Nov 23rd

The annual Tour de Cure Bike Ride to
benefit the American Diabetes
Association is fast approaching.

Amateur radio operators are needed
to serve as communicators for Rest
Stops along the route, and one
operator for the Start/Finish Line.

They need 4 Hams in Broward, 2 in
Delray Beach and a trail ender.

If you can assist with this great event,
please email Robin Terrill (N4HHP) or
David Fernandez KE4TIN.

Robin Terrill
N4HHP
n4hhp@comcast.net

David Fernandez
KE4TIN
ke4tin@gmail.com

Free Laurel VEC Testing



Sun 02-Nov-2014, 1100-1300, Fire
Station 28, 1040 RPB Blvd, Royal
Palm Beach [PWARC] (1st Sunday of
odd months).

Tue 11-Nov-2014, 1800-1930,
Broward Gen MC, 1600 S Andrews
Ave, Ft Lauderdale [BARC] (2nd Tue
of every month).

Wed 12-Nov-2014 1800-2000, W
Boca Library, 18685 SR-7/US-441,
Boca Raton, FL 33498 [BRARA]
(Feb, May, Aug, Nov) See page 6.

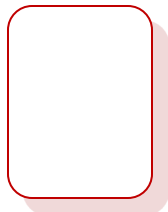
BRARA Ham Shack

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 section with
K4LEW (Lew), 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 R.F.*
as much as we did publishing it!



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



Description of Weather-Corrosion Stations for Florida Department Of Transportation (FDOT) Project

Overview:

Florida Atlantic University is implementing a multi-phase project for FDOT project requires establishing a total of 30 sites around the state of Florida to gather detailed weather information and corresponding atmospheric corrosion rates dependent on factors such as distance from the coast and chloride deposition rates dependent on factors such as distance from the coast and chloride deposition rates

Request for State Park installations:

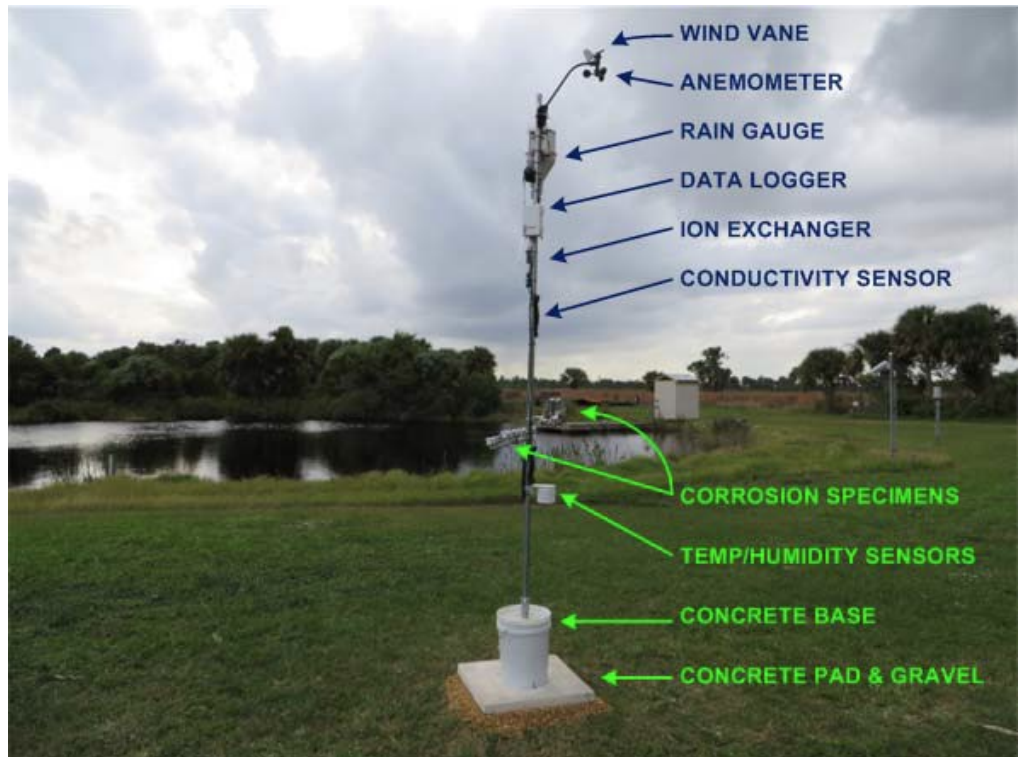
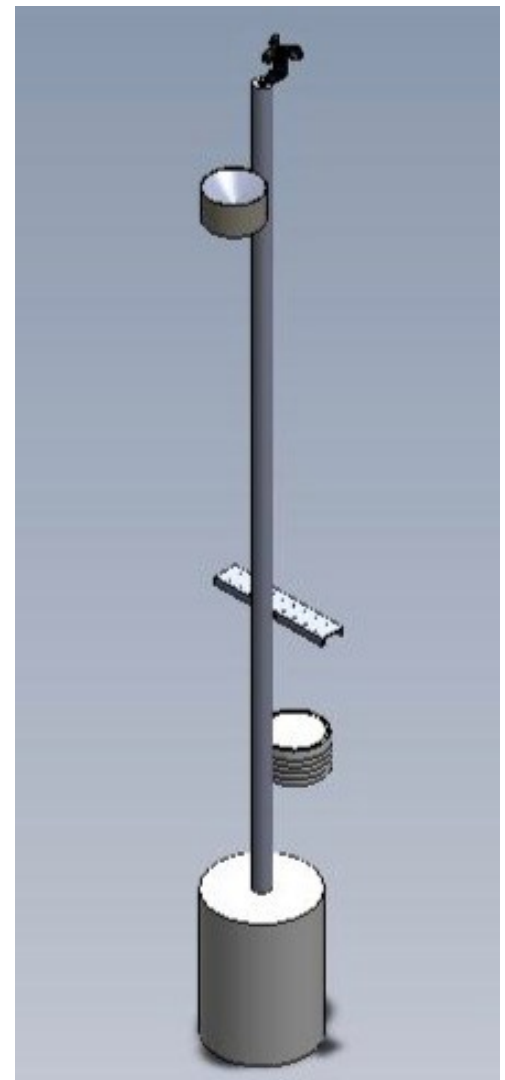
Parks offer several possibly ideal sites for weather stations installations. The stations have a concrete gravity base anchoring system (with no permanent mounting devices required) and an instrumented post extending from the base to a height of approximately 10-ft above the ground. All instruments lie within a 1-ft radius from the central post. The gravity base anchoring system (concrete in a 5 gallon plastic bucket) is placed on a 2' X 2' concrete pad to provide additional stability. We would like to install one station per park, but are flexible on precise placement location to avoid any interference with park activities, maintenance requirements, or landscaping. To the right is a rendition of the proposed weather/corrosion station and photo of the station with buried base.

Weather Station Location:

Stations should be located on ground level in a secure area (fenced or actively/routinely monitored to avoid tampering or damage), clear from obstructions such as clear from atmospheric/ climate iadjacent tall buildings or trees, and nterference, i.e. sprinklers, gutter drains, seasonal flood zones, etc.

Weather Station Specifications:

- Height: Approximately 3 meters (~10 ft)
- Footprint: 2-ft x 2-ft
- Primary Anchor: Cement Gravity Base (base can be buried or placed above ground).
- Instruments: Wind Vane, Anemometer, Rain Gauge, Conductivity Sensor, Humidity/Temperature Sensor
- Other accessory attachments*: Wire-on-Bolt and Steel Plate Atmospheric, Corrosion exposure racks



Installed Weather/Corrosion station in a Florida State Park

A similar station has been installed at the shack in the north-east corner of the enclosure (fence).



**Tom Denham
W4IOY
Silent Key**

We regret to announce the passing of Tom Denham [W4IOY/formerly KG4IOY] on Monday 22-September-2014.

73s Tom.

JOTA Weekend 18-19 Oct 2014

Ron Diego (W2DO) brought 15 Cub Scouts from Pack 318 to the Shack. The Cubbies asked a lot of questions and a few even got on the air making QSLs. 2 Cubs from Pack 308 also participated.

Up at Tanah Keeta Scout Reservation, Patrick McFadden (KE4OBV) and Sjaak Van Dam (W4RIS) manned BRARA's station, operating under the camp's callsign, KK4OAL. The 70 youth and 20 adult leaders in attendance represented twelve local Boy Scout troops and one Girl Scout troop. A staff of 14 volunteers consisted of Scout leaders and representatives of four local radio clubs. Thanks to the volunteers and the excellent weather and propagation conditions, a great weekend of hamming and Scout activities was enjoyed by all. On Sunday morning, over a dozen Scouts and leaders participated in Laurel testing coordinated by Ron Diego W2DO.

Plans are already underway for next year's JOTA (October 16-18, 2015) at Tanah Keeta. The event organizers, Richard Gallant KF4HVT and Bruce Ratoff KO4XL, are also working with our local Boy Scout council on other opportunities to incorporate Amateur Radio into the Scouting program throughout the year.



Annual Pot Luck Holiday Party

kg4lux

Our Annual Pot Luck Holiday Party will be held **19:00 on Wednesday 10-DEC-14** in the American Legion Post 277 Hall at 141 NW 20th St, #F-3, Boca Raton, FL 33431 (561-395-1090).

Bring a Pot Luck to share. Come and join the rest of the HAMS for comradery and merriment. Spouses and significant others are welcome too.

More details on the Pot Luck with next month's Newsletter. A "Whose Bringing What?" sign-up sheet will soon be circulated and will be available at the 12 November 2014 Meeting.

**AMATEUR RADIO
FCC FREE LICENSE TESTING**



Date: November 12, 2014

Time: 6 P/M

The Boca Ration Amateur Radio

Association is going to have a free FCC testing session open to all.

Contact person: Walt Dreyfus
954-481-5327
n4brf@n4brf.org
www.brara.org

**Location Palm Beach Public Library
18685 State Road 7
Boca Raton, Fl**

BOCA RATON AMAREUR RADIO ASSOCIATION

DECEMBER 10 2014

Time: 7 PM

**BRARA
HOLIDAY
PARTY**

POT LUCK BRING YOUR OWN DISH
DRINKS SUPPLIED BY AMERICAN LEGION
We would like to have a positive response as to what members are bringing.
Please E-Mail n4brf@n4brf.org

**AMERICAN LEGION PLUM PARK
141 NW 20 STREET #F3
BOCA RATON, FLORIDA 33431**

Contact person: Walt Dreyfus 954-481-5327

