

#### BRARA Calendar:

Wed 01-Apr-15 April Fools Day 09:00-12:00 Wed 01-Apr-15 Ham Shack Work & Radio Day

Fri 03-Apr-15 Good Friday | Passover begins at Sundown

09:00-12:00 Sat 04-Apr-15 Ham Shack Work & Radio Day

Sun 03-Apr-15 Easter

19:30 Mon 06-Apr-15

Informal Net on 145.29 [110.9] followed by South County NBEMS Net

19:00-21:00 Tue 07-Apr-15 Club Meeting @ West Boca Library

09:00-12:00 Wed 08-Apr-15 Ham Shack Work & Radio Day

09:00-12:00 Sat 11-Apr-15 Ham Shack Work & Radio Day

19:30 Mon 13-Apr-15

Informal Net on 145.29 [110.9] followed by South County NBEMS Net

Wed 15-Apr-15 Tax Day

09:00-12:00 Wed 15-Apr-15

Ham Shack Work & Radio Day

09:00-12:00 Sat 18-Apr-15 Ham Shack Work & Radio Day

19:30 Mon 20-Apr-15

Informal Net on 145.29 [110.9] followed by South County NBEMS Net

Wed 22-Apr-15 Earth Day | **Administrative Professionals Day** 

09:00-12:00 Wed 11-Mar-15 Ham Shack Work & Radio Day

Fri 24 Apr-15 Arbor Day

09:00-12:00 Sat 25-Apr-15 Ham Shack Work & Radio Day

12:00 Noon Sun 26-Apr-15 Soft Deadline for Newsletter

19:30 Mon 27-Apr-15

Informal Net on 145.29 [110.9] followed by South County NBEMS Net

09:00-12:00 Wed 29-Apr-15 Ham Shack Work & Radio Dav

Fri 01-May-15 Law & Loyalty Days

09:00-13:00 Sat 02-May-15 Ham Shack Work & Radio Day

19:30 Mon 04-May-15

Informal Net on 145.29 [110.9] followed by South County NBEMS Net

# madio Flyer, a BRARA Newsletter

April 2015



# This Month's Speaker

As of the April 7, 2015 Meeting there are 81 days remaining until Field Day 2015. There will be no speaker for this meeting. It will be a planning session for 27/28-Jun-2015 Field Day. In addition to committing equipment and time, we are looking for new ideas. Often there is a better way and fresher ideas. Often we miss things that only become present that day or after the fact.

May Meeting: Wed 06-May-2015



## Repeater, HSMM, & Ham Shack News

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

Repeater 2m/70cm linking is still a work 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 Digipeter is up and running. The packet repeater is a work in progress.

The internet connection at the Shack for spotting is working. Please: No streaming downloads and remember to shut it down before you leave the shack.

Plans and preparations for the new shack trailer are proceeding.

# QSL Report N455

As we close out the month, N4BRF has logged in 1,639 QSLs/5,466 QSOs (30.0%) on LoTW.

**DXCC Account Status:** New this month: Kenya (5Z), St. Pierre & Miquelon (FP). We have 221 Mixed credits. Awards received: Mixed, CW and Phone. We are nearing 15m with 95 entities credited.

WAS Account Status: We have received 165 QSLs from 2012 Field Day (FD), 165 QSLs from 2013 FD, and 224 QSLs from 2014 FD activities. Awards received: Basic & Triple Play, with CW, Phone, Digital, and 20m applied for. Still need NE for RTTY. At 169 for 5-band WAS.

VUCC Account Status: 60/4/1/3 on 50/144/222/432 MHz. New this month: FF06 (6m, 3G0ZC [Juan Fernandez Island])

Next update at the Apr-2015 Club Meeting.



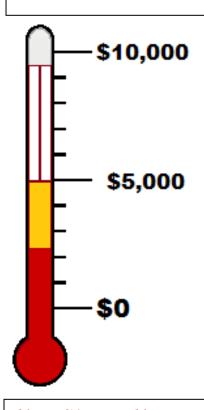
#### New Shack Committee

A committee was formed to supervise donations, planning, and implementation of the new shack trailer: K3LEW (Lew), W3EZB (Marcos) , WA2VNV (George), WA8VSJ (Art),, W4BFL (Jerry),

# Progress on New & Larger Shack Trailer

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 less than one half in the kitty including promised donations and expected equipment sales. Any donations are appreciated.



## New Hams Net

We will soon be instituting another Monday Night Net. This New Hams Net will be at 19:00 (7:00 pm) preceding the BRARA Informational Net. KB1PA (Barry) will be the NCS. This net is not for just new HAMs but for seasoned veterans who wish to assist the newly licensed HAMs. We all started somewhere and some of us had some hesitation before jumping in. This net is designed to ease the new Ham into net communications—not to throw them in the deep end.

# Digital Voice Above 50 MHz KIIW, April DST

No doubt about it—comprehending the sheer variety of FM digital voice modes is a daunting task. It's like an alphabet soup of choices in the VHF+

None of them are compatible. As you explore the world of digital voice above 50 MHz, you will hear a number of different technologies. Fortunately, the list of those you are likely to encounter is fairly short.

For more details on this topic see pages 30-33 of the April 2015 **QST** 

Per April 2015 QST: Untangling Digital Voice Above 50 MHz						
Technologies	C4FM	DMR	D-Star	NXDN	P25	
Manufacturers	Yaesu	Motorola	Icom	Icom	Motorola	
		Hytera		Kenwood	Tait	
		CSI/Quantum			Johnson	
		Vertex				
		Others			Others	
A	Amateur	Ci-1	Amateur	Ci-1	Commercial	
Availability	Dealers	Commercial	Dealers	Commercial	Commercial	
Average Cost	\$300-\$500	\$150-\$450	\$300-\$700	\$400-\$000	\$300-\$900	
Display	Multifunction	Minimal	Multifunction	Minimal	Minimal	
Analog FM Compatibility	Yes	No	Yes	No	No	
Front Panel		No	Yes	No	No	
Programmable	Yes					
Software	V	NI-	V	N-	NI-	
Programmable	Yes	No	Yes	No	No	
Dual Band Models	Yes	Yes	Yes	No	No	
Extended Receive Coverage	Yes	Yes	Yes	No	No	
Codec	AMBE+2	AMBE+2	AMBE	AMBE+2	Ph 1: IMBE	
					Ph 2: AMBE+2	
Modulation	4-FSK	4-FSK	2-GMSK	4-FSK	4-FSK	
Sharing	FDMA	TDMA	FDMA	FDMA	Ph 1: FDMA PH 2: TDMA	
Access	Call Signs	Color Codes	Call Signs	6-bit RAN	12-bit NAC	
Per 2/10/2015 Florida Repeater Council Database						
Open Florida		21	34	12	25	
Repeaters		21	34	12	25	
Open South East		9	3	0	8	
Region Repeaters						
		Per April 201	5 QST			
C4M/System Fusion	While there are commercial versions of C4FM technology, the Amateur					
	Radio implementation is provided by Yaesu as part of its "System					
	Fusion hardware.					
DMR	Digital Mobile Radio, or DMR is an Amateur Radio adaption of					
	commercial land mobile technology. Currently available only in					
	commercial grade transceivers. DMR has been increasingly popular					
	due to its somewhat lower cost and its spectrum efficiency.					
D-STAR	The most established digital system at the present time. Based on an					
	open protocol developed in Japan, D-STAR is most often found in Icom					
	products.  Apother commercial system that has been adapted to Amateur Padio					
NXDN	Another commercial system that has been adapted to Amateur Radio					
	use. NXDN is rater uncommon in the ham world, with a limited number of repeaters available.					
APCO 25	1		-		nology that is	
	found only in commercial land-mobile transceivers					

# 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 Saturdays at 10:00.

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

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

### ARES Nets

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.

<u>Notes:</u> These nets are to TEST out your Radio Equipment and Operator Training.

- SC ARES primary net repeater is 147.225 MHz +600 kHz offset [PL 107.2].
- NC ARES primary repeater is 146.625 MHz -600 kHz offset [PL
- CC ARES primary repeater is 147.045 MHz +600 kHz offset [PL 110.9].
- Consult ICS 205 on PBDARES website for Secondary, Tertiary and Simplex frequencies.

#### 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 10875 West Atlantic Avenue Delray Beach, FL 33446

# Board of Directors Scheduled Meetings

The new BRARA Board of Directors:

K4LEW (Lew), KG4FUR (Gerry), KO4XL (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

# Donations & **Contributions**

Contributions to BRARA— a 501(c)(3) organization—are tax deductible as charitable donations. As you 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.

Page 3

# 2014 Membership Application & Renewal

Name:			
Call Sign:			
Address:			
			<del></del>
Phone:			
Email:			
ARRL Member: O Yes			
Birthday: Month:			r:
License Grade	:: Exp Da	te: _	
Interests:	O Field Day	0	Ham Fest
OHF	O Digital	0	DXing
O VHF	O Packet	0	CW
O UHF	O Voice	0	Contesting
O EmComm	O Skywarn	0	Public Svc
O ARES	O MARS	0	CERT
O Award Chasing			Ragchewing
O Building & I	Experimenting	0	Other:

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

## Good Bye Snowbirds

It's the time of the year that the Snow Birds travel North to their other colder QTH. We wish you a safe journey and look forward to your return in the Fall. Remember that we are as close as Echolink [EC Node 826953]. So stay in touch with us on Monday nights at 19:30 (7:30 PM our local time). We all look forward to seeing you in the fall but do stay in touch on Echolink or DMR [NA].



# DXpedition to Norfolk Island 2015

A team of 4 amateur radio operators from Australia will this time be activating Norfolk Island, OC-005 from the 24th of April through till the 4th May.

#### Welcome New Members:

W8SYU **Associate** 

James Canavan Harold Marble Michael Aropkin

Lic Upgrade Tech to Gen: Barry Keshner

For more on BRARA

www.n4brf.org

#### Dayton Hamvention

Start Date: 05/15/2015

End Date: 05/17/2015 Location: Hara Arena, Trotwood, OH

Website: http:// www.hamvention.org

Sponsor: Dayton Amateur Radio

Association Type: Talk-In: **Public Contact:** 

Phone: (937) 276-6930 Email: info@hamvention.org

Snail Mail: P.O.Box 964, Dayton OH

45401-0964

Admission: \$20 Advance | \$25 Day of

# Next Skywarn

The next Palm Beach County Skywarn class will be Saturday, April 18, 2015 at the Palm Beach County Emergency Operations Center (EOC) from 9 AM to 2 PM. Anyone interested in the class should fill out the class registration form on the county web site (www.pbcskywarn.org) or send me directly an email with your name, full address and phone number (cell phone preferred).







the Radio Flyer

5724 Regency Circle West Boca Ratón, FL 33496-2760

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



# Free Laurel **VEC** Testing



Sun 01-Mar-2015, 1100-1300, Fire Station 28, 1040 RPB Blvd, Royal Palm Beach [PWARC] (1st Sunday of odd months).

Tue **10-Mar-2015**, 1800-1930, Broward Gen MC, 1600 S Andrews Ave, Ft Lauderdale [BARC] (2nd Tue of every month).

Thu 14-May-2015, 1900-2100, Rutherford Com Ctr, 2000 Yamato Rd, Boca Raton, FL 33498 [BRARA] (Quarterly: 13-Aug, 12-Nov, 11-Feb)

# BRARA Ham Shack Key Rules k4lew

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

#### the Radio Flyer's Purpose

The purpose of this newsletter is to keep Club members and other interested Hams updated on Club events and Ham activities in the Greater Boca Raton Area. hope you enjoy this month's #@RF as much as we did publishing it!







# What is ARRL Field Day?



ARRL Field Day is the single most popular on-the-air event held annually in the US and Canada. On the fourth weekend of June of each year, more than 35,000 radio amateurs gather with their clubs, groups or simply with friends to operate from remote locations.

Field Day is a picnic, a campout, practice for emergencies, an informal contest and, most of all, FUN!

It is a time where many aspects of Amateur Radio come together to highlight our many roles. While some will treat it as a contest, other groups use the opportunity to practice their emergency response capabilities. It is an excellent opportunity to demonstrate Amateur Radio to the organizations that Amateur Radio might serve in an emergency, as well as the general public. For many clubs, ARRL Field Day is one of the highlights of their annual calendar.

The contest part is simply to contact as many other stations as possible and to learn to operate our radio gear in abnormal situations and less than optimal conditions.

We use these same skills when we help with events such as marathons and bike-a-thons; fund-raisers such as walk-a-thons; celebrations such as parades; and exhibits at fairs, malls and museums — these are all large, preplanned, non-emergency activities.

But despite the development of very complex, modern communications systems — or maybe because they ARE so complex — ham radio has been called into action again and again to provide communications in crises when it really matters. Amateur Radio people (also called "hams") are well known for our communications support in real disaster and post-disaster situations.

#### What is the ARRL?

The American Radio Relay League is the 165,000+ member national association for Amateur Radio in the USA. ARRL is the primary source of information about what is going on in ham radio. It provides books, news, support and information for individuals and clubs, special events, continuing education classes and other benefits for its members.

#### What is Amateur Radio

Often called "ham radio," the Amateur Radio Service has been around for a century. In that time, it's grown into a worldwide community of licensed operators using the airwaves with every conceivable means of communications technology. Its people range in age from youngsters to grandparents. Even rocket scientists and a rock star or two are in the ham ranks. Most, however, are just normal folks like you and me who enjoy learning and being able to transmit voice, data and pictures through the air to unusual places, both near and far, without depending on commercial systems.

The Amateur Radio frequencies are the last remaining place in the usable radio spectrum where you as an individual can develop and experiment with wireless communications. Hams not only can make and modify their equipment, but can create whole new ways to do things.

For More Information visit: www.arrl.org

#### When and Where are Field Day this year?

Field Day is always the fourth full weekend of June, beginning at 1800 UTC Saturday and running through 2059 UTC Sunday. Field Day 2015 is June 27-28. The Club will again locate in the parking garage at FAU, Boca Campus.

# Toward a Perfect Field Day \*\*RC4WQ

Experience and planning will keep your Field Day operation running smooth.

The annual ARRL® Field Day is touted as the largest disaster communications exercise in the world. Each year thousands of amateurs in North America working with clubs, a group of friends, or as individuals, take to the fields with thousands of dollars worth of equipment. But what does it take for this effort to be successful and stress free?

In a word — planning! Over the years my club, the Bullitt Amateur Radio Society, has striven to improve on the previous year's Field Day effort. In 2013, our operation was a testament to that planning. The club operates a 2F effort each year based out of the Pioneer Village, KY city hall. The city has been unbelievably supportive of Amateur Radio and our club in particular. They have, for over a decade, gone out of their way to make us feel at home, as we utilize their facilities for our monthly meetings and for the annual Field Day.

Seven Steps

Step One in an effective Field Day operation is having someone "in charge" to make sure things get done. Rick, KC4S, has been our Field Day coordinator for several years now. He is organized and passionate about getting the job done. Your club or group doesn't need someone to take on the whole job alone. You do need a person who is well organized and is willing and able to find the right people for each job.

Step Two, in the perfect Field Day process, is to have a plan. The Bullitt ARS discusses Field Day 12 months out of the year. Our meeting programs focus on operating techniques and modes, antenna how-to, radio history, and other aspects of Amateur Radio. All this information comes together in our Field Day operation.

Several months before Field Day weekend, the club ramps up our planning. Discussions focus on the operation. Do we want to increase our number of transmitters this year? Who can do satellites? How can we maximize our bonus points? What did we miss last year — and why?

Don't forget one of the most overlooked aspects of Field Day preparation — the exchange. Go over the exchange with the club. Give the operators examples of Dos and Don'ts. Stress keeping the information to a minimum. Don't get chatty. After all, the reason is to exchange information quickly and effectively.

Finally, consider the most important part of Field Day preparation — Saturday's dinner menu. Remember Field Day is more than just a disaster exercise or a contest. It is also the social event of the year for your particular club or group, and good food makes for happy operators and higher scores.

Step Three is most critical. Make definite arrangements with all FD operators defining who is going to bring what equipment to the operation — and have backups available in case of problems. One thing that Mr. Murphy despises is a well prepared group. Most of the equipment for the Bullitt ARS effort is borrowed from club members for the 24 hour operation. The club owns a few antennas but not enough to complete a multi-transmitter operation.

In considering equipment, the simplicity of its operation is an important point. Most new radios have a learning curve to operate efficiently. If all the scheduled operators are familiar with that radio, then use the menu laden radio. However, if you have a mix of old timers and newbies, you will want to consider some of the less complex radios. I prefer knobs over menus for simplicities sake. Remember, the goal is to be able to communicate effectively and efficiently.

Lastly, don't forget the little things like short jumpers or barrel connectors. These small items can create big kinks in your planning and execution. Another point to consider is location, location, location. Not only can this secure you an easy 100 points, but snafus can arise *if* you didn't ensure that your chosen location is available. Never assume. Always verify.

Step Four is to secure operators for a 24 hour operation. Needless to say, there are usually a plethora of people available from 1800 until after Saturday's dinner, but the night hours can be a bit sparse. Over the years the Bullitt ARS has developed a dedicated group of all-nighters. A key to a big score is to have those transmitters going 24/7. In this part of the country, 40 and 80 meters are bread and butter bands after the sun goes down. Schedule an operator to man each of your stations for the overnight hours. Make certain that all your time slots are covered and get it written down and posted so everyone knows where they need to be and when. Stress the importance of commitment. If you sign up for the 1-3 AM time slot, be there.

Step Five is to make certain that all the preplanning happens. This falls squarely on the shoulders of the Field Day coordinator and his delegates. Our FD coordinator has done a bang-up job over the last several years. He has maintained a checklist and checks off things as they happen. Got your satellite contact? Let the whole place know — bang, another 100 points in the book. Get the ARRL Field Day message copied? Share information to help keep the excitement high. Do so and the contact rate goes up. I know some big contest stations ring a bell every time multiplier is worked. Excitement does great things for your effort.

Step Six is the finish and follow-up. The Bullitt ARS was already discussing the next year's effort before the first transmitter was shut down at FD 2013. Part of winding up last year's FD was to discuss the deficiencies in the current operation and how to improve in 2014. Which antenna worked, which didn't. Was a particular radio too difficult to use? Why?

Document everything. If you change Field Day coordinators, the new guy needs to have a starting place. The more information your coordinator has the better job he or she will do.

<u>Step Seven</u> is probably the most overlooked of all. Follow up with the outside groups that supported your Field Day effort. Drop a note to the local officials and media who visited your site with a word of thanks and your results. Such a note, coming right after the event, will build goodwill and make next year's visit a bit easier to schedule. If your site was a public building, as ours is, it is especially important to send a note or drop by and visit the local officials who gave you permission. Let them know your results and thank them for their support. It doesn't take a big effort to maintain goodwill, but neglecting to can easily result misunderstandings or a feeling of being slighted.

All of these steps are necessary for a successful and perfect Field Day effort. But the most important thing for a perfect Field Day experience is to have fun, don't take yourself too seriously, and make the experience enjoyable for everyone who visits your Field Day site. This last note bears repeating — Field Day is also the day that we highlight and promote Amateur Radio to our neighbors, family, and friends. So make it a friendly and welcoming experience for those newly licensed guys and gals, and for those unlicensed people who drop by out of curiosity. Explain things in nontechnical ways. Invite a handson experience and make it fun.

#### A Perfect Field Day?

So was our 2013 Field Day experience perfect? Other than a couple of network issues and having to hunt up a couple of missing parts, it was planned to near perfection. improved significantly over our previous year's effort. Set up went more smoothly than any other in club history. It didn't rain, but was one of the hottest on record — although the CW and VHF/UHF stations didn't because their operating notice quarters were air conditioned. It's always good to have members with RVs! Our Saturday meal was topdrawer and the cook was well praised and invited back for next year. Many new hams got their first taste of HF and new friendships were kindled. Was it perfect? No, but it was darn close.

As a closing thought, Field Day is the highlight of most clubs operating year. To keep your club vibrant and exciting, your Field Day effort needs to be vibrant and exciting. A good Field Day coordinator goes a long way toward making that happen. But these positions change personnel, quite often annually. So to remain successful and approach perfection, train your replacement. Document what works and what didn't and don't leave out the why.

See you June 28, 2014..... CQ FD

#### Club Field Day Location:

This year, as in the recent past, we will hold our Field Day activities atop the Parking Garage at the Boca Raton Campus of FAU

#### When:

Field Day is always the fourth full weekend of June, beginning at 1800 UTC Saturday and running through 2059 UTC Sunday. Field Day 2015 is June 27-28.

Objective:

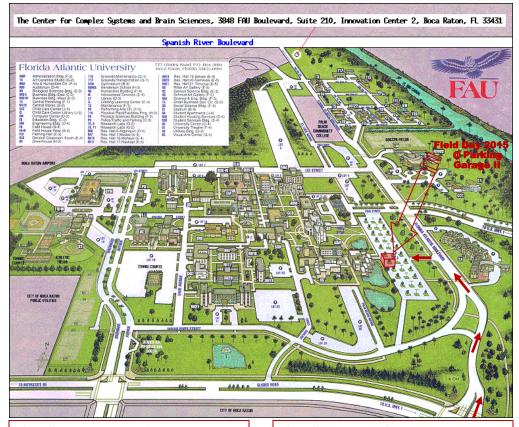
To work as many stations as possible on any and all amateur bands (excluding the 60, 30, 17, and 12-meter bands) and to learn to operate in abnormal situations in less than optimal conditions. Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations and countries within IARU Region 2. DX stations residing in other regions may be contacted for credit, but are not eligible to submit entries.

#### Post Even Submission:

Entries must be postmarked, emailed or submitted by 2059 UTC Tuesday, July 28, 2015. Late entries cannot be accepted.

#### Awards:

Field Day is not a contest. No certificates are awarded. Bragging rights only!



#### **Directions From Turnpike:**

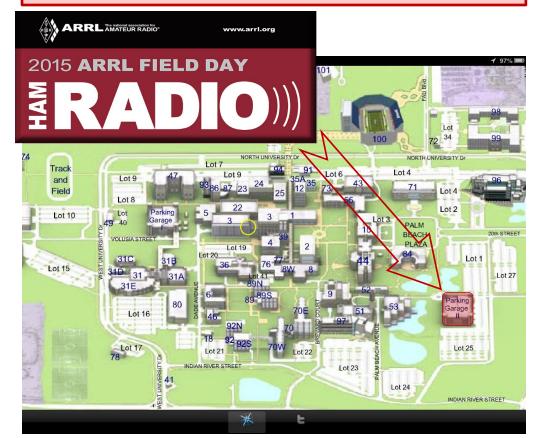
- . Take Glades Exit
- 2. Turn Left onto Florida Atlantic Blvd
- 3. Turn Left onto Arts Ave
- 4. Past St Lucie Ave and before Circle
- 5. Parking Garage II is on left
- 6. Go to 4th Floor

#### **Directions From I-95:**

- 1. Take Glades Exit
- 2. Turn Right onto Florida Atlantic Blvd
- 3. Turn Left onto Arts Ave
- 4. Past St Lucie Ave and before Circle
- 5. Parking Garage II is on left
- 6. Go to 4th Floor

Talk In Repeater: 145.290 MHz Repeater [-0.600 kHz offset, 110.9 Hz PL]

Alternate Repeater: 147.255 MHz Repeater [+0.600 kHz offset, 123.0 Hz PL]

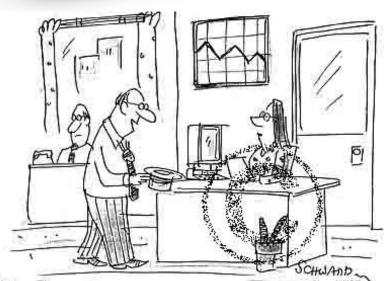












"THERE'S NO SPECIAL OCCASION. I'M JUST TAKING UP A COLLECTION TO HELP PAY MY INCOME TAX."

