

the Radio Flyer, *a BRARA Newsletter*

May 2015



BRARA Calendar:

Fri 01-May-15 Law & Loyalty Days

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

19:00 Mon 04-May-15 Triple Play
Nets on 145.290 [110.9]: New
HAM, BRARA Info, SC NBEMs

Tue 5 May-15 Cinco de Mayo

19:00-21:00 Wed 06-May-15
Club Meeting @ West Boca
Library

09:00-12:00 Wed 06_May-15
Ham Shack Work & Radio Day

Thu 7-May-15 National Day of
Prayer

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

Sun 10-May-15 Mothers Day

19:00 Mon 11-May-15 Triple Play
Nets on 145.290 [110.9]: New
HAM, BRARA Info, SC NBEMs

09:00-12:00 Wed 13-May-15
Ham Shack Work & Radio Day

15-17 May-15 Dayton Hamvention

Sat 16-May-15 Armed Forces Day

09:00-12:00 Sat 16-May-15
Ham Shack Work & Radio Day

19:00 Mon 18-May-15 Triple Play
Nets on 145.290 [110.9]: New
HAM, BRARA Info, SC NBEMs

09:00-12:00 Wed 20-May-15
Ham Shack Work & Radio Day

09:00-12:00 Sat 23-May-15
Ham Shack Work & Radio Day

12:00 Noon Sun 24-May-15
Soft Deadline for Newsletter

Mon 25-May-15 Memorial Day

19:00 Mon 25-May-15 Triple Play
Nets on 145.290 [110.9]: New
HAM, BRARA Info, SC NBEMs

09:00-12:00 Wed 29-27-May-15
Ham Shack Work & Radio Day

09:00-12:00 Sat 30-May-15
Ham Shack Work & Radio Day

19:00 Mon 01-Jun-15 Triple Play
Nets on 145.290 [110.9]: New
HAM, BRARA Info, SC NBEMs



This Month's *Speaker*

**THIS MONTH'S MEETING WILL BE
HELD ON WEDNESDAY 06-MAY-15**

This month, W5EPW (Bill Gearhiser) presents a 45 minute review of useful QRP digital modes: QRSS, FSKCW, DFCW, Hellschreiber, and WSPR. (all available in the Ultimate 3 transmitter)

Also, brief comments on the WebSDR web site & background on IQ signals.

Questions & Answers will follow.



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 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 Digipeter 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 N4JJ

As we close out the month, N4BRF has logged in 1665 QSLs/5526 QSOs (30.1%) on LoTW.

DXCC Account Status: New this month: 15m DXCC achieved! Also Saint Lucia (J6), Micronesia (V6), Barbados (8P), Zimbabwe (Z2). Awards received: Mixed, CW and Phone.

WAS Account Status: Applied for 20m. Still need NE for RTTY. Awards received: Basic & Triple Play. Working on 5BWAS.

We have received 165 QSLs from 2012 Field Day (FD), 165 QSLs from 2013 FD, and 224 QSLs from 2014 FD activities.

VUCC Account Status: New this month: FF47 (6m, CE2AWW).



Hurricane Season 2015: Governor's Hurricane Conference Next Month in Orlando ^{ARRL}

While it's now been 10 years since the last hurricane crossed the Florida coastline, that same period has seen storms such as Sandy, Ike, Irene and Isaac devastate other areas. Learning the important operational lessons from these storms is important for future response efficiencies and effectiveness. The [29th Annual Governor's Hurricane Conference](#)® (GHC) to be held in Orlando, May 10-15, is a good way to gain knowledge from lessons learned. The 2015 GHC theme is "Rethink Resilience...Connecting Capabilities for Stronger Communities." Over 300 hours of training and workshops covering all aspects of hurricane readiness, full of the latest trends, topics, tools and technologies to best improve your disaster response/recovery processes will be offered.

The *Evolving Emergency Communications Landscape and How Our Federal Partners the Department of Homeland Security (DHS) and the Federal Emergency Management Agency (FEMA) Can Assist* is a workshop of special interest to radio amateurs to be held on Thursday, May 14, 8:30 AM - 10:00 AM. From its description: With the development of the Nationwide Public Safety Broadband Network (NPSBN), Next Generation 9-1-1 (NG 9-1-1), and Internet Protocol-based technologies, today's emergency communications networks are experiencing a wave of modernization. Learn how FEMA and the DHS Office of Emergency Communications assist the emergency response community in the use of these evolving emergency communications technologies, including emergency alerts, NG 9-1-1, Reverse 9-1-1, social media, GETS, WPS, IPAWS, CMAS, broadband, data, video and more.

Hurricane Season 2015: Florida Statewide Hurricane Exercise Next Month ^{ARRL}

The Florida Statewide Hurricane Exercise is scheduled for next month. Northern Florida Section Manager Steve Szabo, WB4OMM, reports that the ARRL Northern Florida Section will be participating. An Exercise Plan (ExPlan) with specific participation requests to the Section ARES leadership will be released by mid-April. Szabo states that he will be asking each county ARES group to activate their local group, deploy

members to partner agency locations in the field, and communicate specific information back to a central location.

Participants should plan to use HF, VHF/UHF, Pactor, D-STAR, D-RATS, and EchoLink modes, and will be required to use an ICS compliant message form (that will be provided). Contact your county ARES Emergency Coordinator (EC) ASAP for local information. Expect the ExPlan to be distributed before the 20th of April. - *ARRL Northern Florida Section News.*

What is DMR? ^{w2xaB}

Digital Mobile Radio (DMR) was developed by the European Telecommunications Standards Institute (ETSI) and is used worldwide by professional mobile radio users. Voice and data are supported.

There are three levels of involvement in DMR. The first is as a user, where you begin with a single radio, and later, possibly you'll add a second or third. The next level is as a repeater operator. You generally undertake this because there are no repeaters in your area or because you want better coverage. The third level of DMR participation is as a network operator -- you purchase and manage your own c-Bridge™ and build regional networks that interconnect to the other DMR networks.

Amateurs are implementing Mototrbo™ and Hytera infrastructure networks. These networks, from the end user standpoint, operate the same. Amateur Mototrbo™ networks are much larger, cover many more areas, and most are interconnected. Not all the amateur DMR repeaters are connected to the wide area networks; some are standalone either because amateurs have yet to obtain an ISP connection at their repeater site or because they just want to use the repeater for local communications. Some standalone systems are operating in dual-mode (analog/digital).

Talk Groups (TG) are a way for groups of users to share a "time slot" (channel, one-to-many) without distracting and disrupting other users of the time slot. It should be noted that only one Talk Group can be using a time slot at a time. If your radio is not programmed to listen to a Talk Group, you will not hear that Talk Group's traffic.

There are many sources of new and used DMR radios. As of this date, you can't walk into an Amateur Radio store and buy a DMR radio, but that may soon change. Presently all DMR radios are professional (commercial) radios marketed primarily to commercial radio users. If you want to purchase a new DMR radio for ham use, you can

easily find a dealer, and some dealers are "ham friendly" and will offer reasonable discounts to hams. Check with other DMR users or on DMR related websites for further information.

When you make an initial transmission to announce your availability, to place a call to another station, or to make a general call, you should also announce what Talk Group you are on because some users may be scanning or have radios without a display. When you are talking on one of the wide area Talk Groups, hundreds of repeaters will be tied up. If you are unable to move to a more localized Talk Group, be considerate of the other users on the network. Talk Groups share time slots. When one Talk Group is active; other Talk Groups on the same time slot will be blocked. Leave space between transmissions so others can break in. Remember that emergency traffic always has priority over all other traffic.

HR-1301 Has Special Significance for EM/ Disaster Operators ^{ARRL}

The *Amateur Radio Parity Act of 2015* -- H.R.1301 -- has been introduced in the US House of Representatives. The measure would direct the FCC to extend its rules relating to reasonable accommodation of Amateur Service communications to private land use restrictions. HR 1301 would require the FCC to amend its Part 97 Amateur Service rules to apply the three-part test of the [PRB-1](#) federal pre-emption policy to include homeowners' association regulations and deed restrictions, often referred to as "covenants, conditions, and restrictions" (CC&Rs). At present, PRB-1 only applies to state and local zoning laws and ordinances. The FCC has been reluctant to extend the same legal protections to include such private land-use agreements without direction from Congress.

ARES members are urged to contact their US House members and ask them to sign on to the bill as a co-sponsor. We provide, on a volunteer basis, public service, emergency, and disaster relief communications using radio stations located in our homes. Our services cost taxpayers nothing. They are provided at no cost to any served agency or to any government entity. FEMA has stated that when Amateur Radio operators are needed in an emergency or disaster, they are really needed.

Land use restrictions that prohibit the installation of outdoor antenna systems are the largest threat to Amateur Radio emergency and public service communications. - *ARRL*

Monday Night Club

Sponsored Nets *kg4fur*

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. Son 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 *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"

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 19:30**.
- ⇒ 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, 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 WX4SFL: 444.025/444.850

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),

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 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

Dayton Hamvention

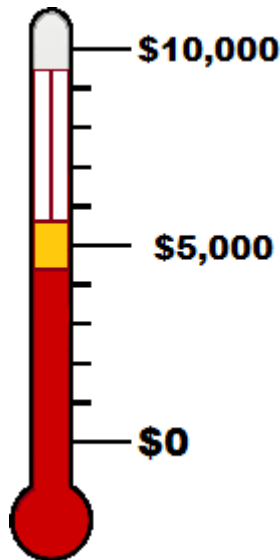
Start Date: 05/15/2015
End Date: 05/17/2015
Location: Hara Arena, Trotwood, OH
Website: <http://www.hamvention.org>
Sponsor: Dayton Amateur Radio Association
Type:
Talk-In:
Public Contact:

Phone: (937) 276-6930
Email: info@hamvention.org
Snail Mail: P.O.Box 964, Dayton OH 45401-0964
Admission: \$20 Advance | \$25 Day of

Shack Building Fund

As of this printing, we have collected \$4,050 in contributions and equipment sales. This does not include pledges and anticipated future equipment sales.

We graciously accept all donations and will provide all donors with a letter for tax purposes.



No Smoking

UNLESS YOU'RE A RADIO WITH A SHORTED CAPACITOR.

Free Laurel VEC Testing



Sun 03-May-2015, 1100-1300, Fire Station 28, 1040 RPB Blvd, Royal Palm Beach [PWARC] (1st Sunday of odd months).

Tue 12-May-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)

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:

KC2RNN Pasquale Lombardi

For more on BRARA

www.n4brf.org

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

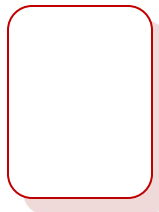
The purpose of this newsletter is to keep Club members and other interested Hams updated on Club events and Ham activities in the Greater Boca Raton Area. We hope you enjoy this month's *the RF* as much as we did publishing it!



the Radio Flyer

5724 Regency Circle West
Boca Raton, FL 33496-2760

Email KG4FUR@n4brf.org with Articles/Constructive Critique



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



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



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 (2:00 PM local time) Saturday 27-Jun-2015 and running through 2059 UTC (4:59 PM) Sunday 28-Jun-2015. This year, our Field Day activity will re-locate to the top floors of FAU Parking Garage I on Volusia Ave, FAU Campus, Boca Raton.

2015 ARRL FIELD DAY

HAM RADIO)))



Club Field Day Location:

This year, we have moved our Field Day activities atop the Parking Garage I at the Boca Raton Campus of FAU. From I-95, take the Glade Rd Exit East, turn left on NE 15th St/ Broward Ave onto Campus, turn right on Volusia St and the Garage is on the left before the Library and Dade Ave.

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:

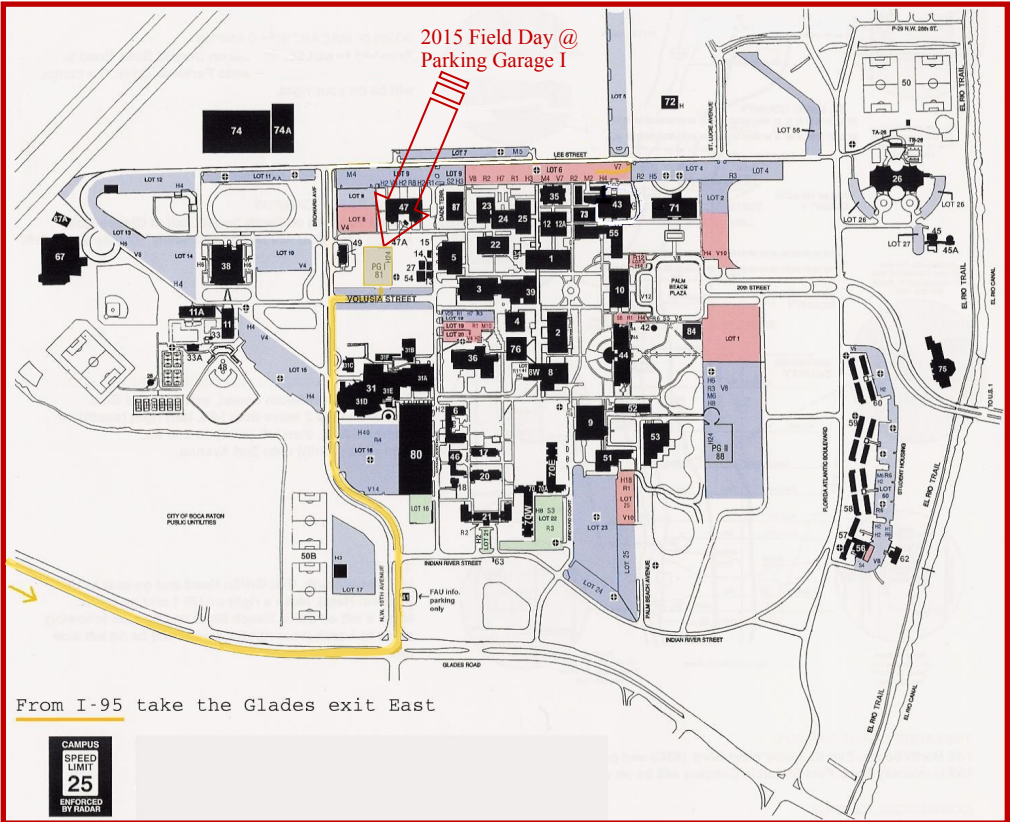
To work as many stations as possible on any and all amateur bands (excluding the 60, 30, 17, and 12-meter bands) and to learn to operate in abnormal situations in less than optimal conditions. Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations and countries within 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.



- Directions From Turnpike or I-95:**
1. Take Glades Rd Exit East.
 2. Turn Left onto FAU at NW 15th Ave/Broward Ave to West University Dr.
 3. Turn Left onto Volusia St.
 4. Parking Garage I is on left (north side) before Library/Dade Ave.
 5. Go to 4th Floor.

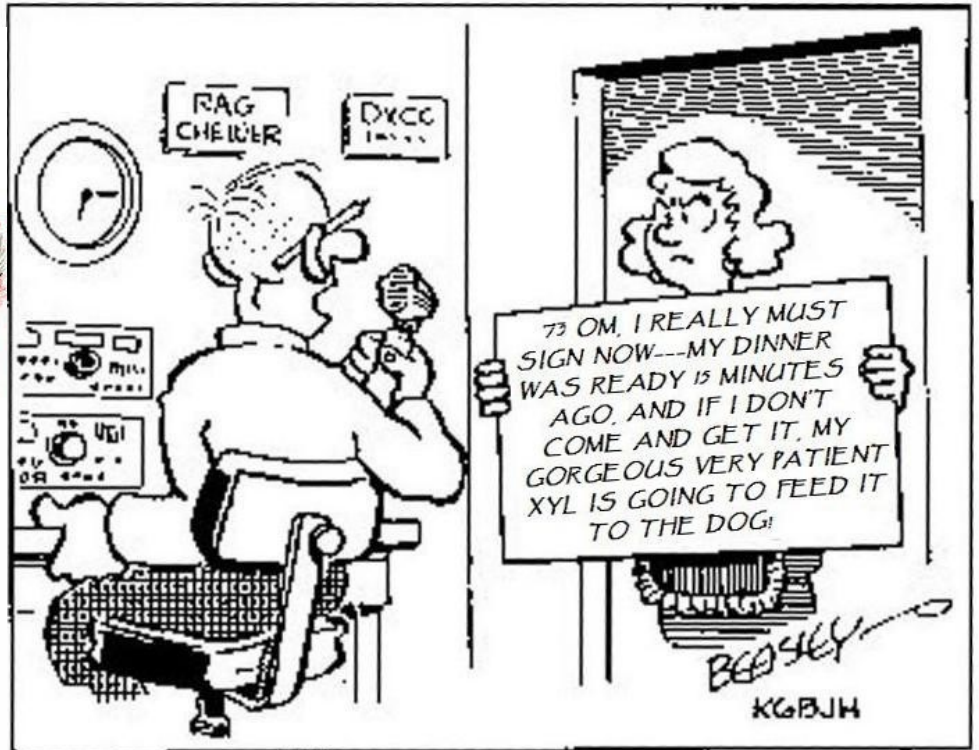
- Talk-In Repeater:** 145.290 MHz
-0.600 kHz offset, 110.9 Hz PL
- Alternate Repeater:** 147.255 MHz
+0.600 kHz offset, 123.0 Hz PL
- DMR FL:** TS-2 TG-3112
DMR Simplex: 441.000 MHz
TS-1 TG-99 CC-1



HAMTOON



THIS WAS THE BEST HAM FEST, LOOK AT THESE GREAT BUYS. COULD YOU STORE THEM FOR ME TILL MY WIFE IS OUT OF TOWN ?



-73 O.M., I REALLY MUST SIGN NOW--



Only 1,240 more miles to the Dayton hamfest.

SUCH A HAM

SH-005



Stan & Cliff have been working all day on installing my clothesline, Mary.



ARRL KIDS DAY



**The Boca Raton Amateur Radio Association
is going to have ARRL KIDS DAY**

JUNE 15 2015

9 AM through 2 PM

BRARA CLUB SHACK LOCATION

10875 W Atlantic Ave Delray Beach, Florida 33446

CONTACT INFORMATION

Bruce Ratoff KO4XL

E-Mail KO4XL@N4BRF.ORG

