

# the *Radio Flyer,* *a BRARA Newsletter*

November 2015



## **BRARA Calendar:**

**19:30 Mon 02-Nov-15**

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

**09:00-12:00 Wed 04-Nov-15**

Ham Shack Work & Radio Day

**19:00-21:00 Wed 04-Nov-15**

Club Meeting @ West Boca Library

**09:00-12:00 Sat 07-Nov-15**

Ham Shack Work & Radio Day

**19:30 Mon 09-Nov-15**

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

**Wed 11-Nov-15 Veterans Day**

**09:00-12:00 Wed 11-Nov-15**

Ham Shack Work & Radio Day

**19:00-21:00 Thu 12-Nov-15**

Free Laurel Testing, Rutherford Com  
Ctr, 2100 Yamato Rd, Boca Raton FL

**09:00-12:00 Sat 14-Nov-15**

Ham Shack Work & Radio Day

**19:30 Mon 16-Nov-15**

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

**09:00-12:00 Wed 18-Nov-15**

Ham Shack Work & Radio Day

**09:00-12:00 Sat 21-Nov-15**

Ham Shack Work & Radio Day

**19:30 Mon 23-Nov-15**

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

**09:00-12:00 Wed 25-Nov-15**

Ham Shack Work & Radio Day

**Thu 26-Nov-15 Thanksgiving Day**

**Fri 27-Nov-15 Black Friday**

**09:00-12:00 Sat 28-Nov-15**

Ham Shack Work & Radio Day

**12:00 Noon Sun 29-Nov-15**

Soft Deadline for Newsletter

**Mon 30-Nov-15 Cyber Monday**

**19:30 Mon 30-Nov-15**

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

**09:00-12:00 Wed 02-Dec-15**

Ham Shack Work & Radio Day

**09:00-13:00 Sat 05-Dec-15**

Ham Shack Work & Radio Day

**Mon 07-Dec-15 Pearl Harbor Day**



## **This Month's Speaker N4CCE**

This month we will have a short video presentation by Walter Kronkite, SK, on Amateur Radio Today highlighting our hobby's real life role in an emergency.

Next month presenter will be a mystery speaker.

Please note that due to scheduling conflicts at the W Boca Library, both the November and December meetings have been moved to the first Wednesday of the month.



## **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 85 w 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 N4JJ**

As we close out the month, N4BRF has logged in 2,105 QSLs/7,132 QSOs (29.5%) on LoTW.

**DXCC Account Status:** New this month United Nations HQ (4U), Pakistan (AP), Market Reef (OJ0), Trinidad & Martin Vaz Islands (PJ0T). 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:

- 169 (+0) QSLs from 2012,
- 175 (+0) QSOs from 2013
- 237 (+0) QSOs from 2014
- 250 (+8) QSOs from 2015

**VUCC Account Status:** Nothing new this month. New this month: EM82 (6m).

## **Happy Thanksgiving**



**DE BRARA Board of  
Directors**

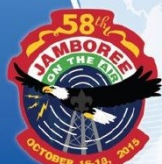
# JAMBOREE ON THE AIR

STATION REPORT  
2015

BOCA RATON AMATEUR RADIO

N4BRF

Name and Call Sign



Thanks for your JOTA participation  
and for filing your station report

BSA National Radio Scouting Committee  
JIM WILSON, KSND, CHAIRMAN

## Articles for the Newsletter KG4FUR

Got an idea for an article? Or constructive critique? Want to share club news and events? How about writing a short 30-minute project idea? Your submissions to the Red Flyer are needed to help keep this one of the best club newsletters in South Florida.

Send your articles to:  
KG4FUR@N4BRF.org



In support of this year's JOTA, BRARA hosted two Cub Scout packs at the shack. The boys were able to make contact with an Ohio Scouter. Hamburgers, hot dogs, snacks, and soft drink beverages were donated by AA1-EE (Larry). A good time!

Additionally, we sent a Club contingent to Camp Tanah Keeta in Martin County for the older Boy Scouts. Free Laurel testing was available for Scouts and Scouters

## Board Approved Changes in Oct KG4FUR

The Board approved increasing the 2016 Full Membership Dues by \$5, (\$25 Dues due in 2016). To defray this increase, the Board is waiving the increase for 2016 if paid this year (2015). Consider this a next year only Early Bird Discount. There will be no change in the \$5 discounted dues for additional family and associate membership. Finally, the Board approved a Life Time Membership dues of \$500 for anyone interested.

Other approved changes include:

Pursuant to our Bylaws (Article 1.3, Other Offices), the Board approved obtaining a Post Office Box at the Atlantic Ave Post Office (just before the shack):

Boca Ration Amateur Radio Association  
P.O. Box 480162  
Delray Beach, FL 33448-0162

This address can be used to conduct business and receive bulk postal packages (not UPS or FedEx).

The corporate principal office remains at the Secretary's home: 21512 Woodchuck Ln, Boca Raton, FL 33428.

Pursuant to our Bylaws (Article 5.1, Executive Committee), the Board approve establishing Executive Committees consisting of at least 3 Board Members and additional members at large.

These Committees, outlined in the matrix on the next page, have been delegated the powers and authority of the Board in the management of the business and affairs delegated to the specific committee and are required to report Committee actions to the full Board and at General Membership Meetings.

The Board is accepting nominations to fill vacancies and will consider nominations for additional committee members for these committees and additional committees in accordance with out Bylaws.

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[On The Air](#)
[Licensing, Education & Training](#)
[Membership](#)
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### Results Database

**Results Database**  
Database Downloads  
Soapbox  
Contest Records  
Contest Log-Checking Reports  
Contest Results Articles  
Plaques and Awards

2015 ARRL Field Day

Select contest

#### 2015 ARRL Field Day

Displaying entries for **Call sign=N4BRF**

Entries 1 to 1 of 1 listed

#	Call	Score	Category	QSOs	Power Mult	GOTA Call	Section	Participants	Club
1	N4BRF	4,272	3A	1,208	2		SFL	10	Boca Raton ARS

Join ARRL

Select Entries to List

	Category	Power Mult	Section/Division
Select:	All	and All	and All
or Call sign:			

Choose Sort Order

Sort by:		then		then	
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Select and Sort Entries to Display

On The Air >> Contests >> Results, Records and Awards >> Results Database
Back to Top  
Having Trouble?

## 2016 Committees (3 Board Members required to be Exec Com [5.1])

Committee	Chairman	Sub Committee	Deputy Chairmen	Comment
Contests	N4CGC-Max	Awards/LoTH	N4II-Ed	confirmed
		HF Data	W4BFL-Jerry	confirmed
		HF Voice	W4BFL-Jerry	
		Miscellaneous/Other	W4WCD-Walt	confirmed
		VHF/UHF	WA2VNV-George	
Field Day	KG4FUR-Gerry	6m Phone	K4LEW-Lew	confirmed
		GOTA		
		HF CW		
		HF Data		
		HF Phone		
		Meals	Milagros Zaza	confirmed
		Miscellaneous/Other		
		PIO (News Release/Visitors)		
		Power (Gen/Fuel/Panel)	WA2NTW-Dolf	
		Software/Computer	W4BFL-Jerry	confirmed
Holiday Party, Radiator Grills	N4CGC-Max	Entertainment	KB1MPI-Ron	confirmed
		Facility	W3PZB-Marcos	confirmed
		Food/Beverages	Milagros Zaza	confirmed
		Miscellaneous/Other	KG4FUR-Gerry	
		PIO (Flyer/Newsletter)		
JOTA	KO4XL-Bruce	Delray Beach Shack	W4BFL-Jerry	
		Miscellaneous/Other	KE4OBV-Patrick	confirmed
		Patches	W4WCD-Walt	confirmed
		Picnic	AA1EE- Larry	
		Tanah Keeta	KO4XL-Bruce	confirmed
Nets	KG4FUR-Gerry	New Hams Net	KB1PA-Barry	confirmed
		Informational Net	KG4FUR-Gerry	confirmed
		NBEMS Net	KE4OBV-Patrick	confirmed
		Alt NCS	K43LEW-Lew	confirmed
		Alt NCS	W4BFL-Jerry	confirmed
Shack / Emergency Preparedness	W4BFL-Jerry	a.	W3PZB-Marcos	confirmed
		b.	K3LEW-Lew	confirmed
		c.	N4CGC-Max	confirmed
		d.	WA8VSJ-Art	confirmed
		e.	WA2VNV-George	confirmed
Training / Testing	KO4XL-Bruce	VE/W5YI Instructor	K4BH-Jeff	confirmed
		VE	K4LEW-Lew	confirmed
		VE/W5YI Instructor	KE4OBV-Patrick	confirmed
		VE/W5YI Instructor	KG4FUR-Gerry	confirmed
		VE/W5YI Instructor	W4BFL-Jerry	confirmed



## 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.
- ⇒ BRARA Informational Net: 19:30-20:00. Out-of-Area Amateurs may check-in via EchoLink. Our Node is 826953.
- ⇒ South County NBEMS Net 20:00-

## NBEMS KG4FUR

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"

## Scheduled Nets

Mon 20:00 S County  
145.290 -0.6 110.9

Tue 19:30 PBC NBEMS  
147.285 +0.6 103.5

3rd Sat 10:00 Knights of Rnd Tbl  
146.550 Simplex

## Other Local HAM Analog Repeater Nets

Daily 18:00 SEFL Traffic: 146.61 MHz  
Tue 19:00 Boynton CERT: 443.1 MHz  
Tue 19:30 Boca CERT: 145.225 MHz  
Wed 19:00 SC-ARES: 147.225 MHz  
Thu 19:00 WX4SFL: 444.025/444.850

## Scheduled DMR Nets

Day	EST	Talk Group
Sun	1900	TG-310 (TAC 310)
Mon	1500	TG-13 (EN) UK Tech
Wed	2100	TG-03 (NA) NAtch
Sat	1200	TG-01 (WW)

## Local DMR Repeaters

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

## GMRS Repeater Database:

Check out [www.myGMRS.com](http://www.myGMRS.com).

## 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),  
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

- ☐ \$25 Full Membership
- ☐ \$5 Associate Membership
- ☐ \$5 Family Mbr w/License

Name: \_\_\_\_\_

Call Sign: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

ARRL Member: ☐ Yes ☐ No

Birthday: Month: \_\_\_\_\_ Year: \_\_\_\_\_

License Grade: \_\_\_\_\_ Exp Date: \_\_\_\_\_

**Interests:** ☐ Field Day ☐ Ham Fest

☐ HF ☐ Digital ☐ DXing

☐ VHF ☐ Packet ☐ CW

☐ UHF ☐ Voice ☐ Contesting

☐ EmComm ☐ Skywarn ☐ Public Svc

☐ ARES ☐ MARS ☐ CERT

☐ Award Chasing ☐ Ragchewing

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

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

**Return with Dues to BRARA at either:**

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

Or

BRARA  
P.O. Box 480162  
Delray Beach, FL 33448-0162

## *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 a number of you that have generously made contributions to the New Shack Building Fund, we have placed a deposit on the new trailer and the permitting process has begun, albite sputtering as we move forward.

Although there are sufficient funds to cover the cost of the trailer, there will be additional expenses:

- New Air Conditioning Unit
- Building Permit fees
- Electrical Permit Fees
- Cables and other incidentals

The trailer delivery has been on hold waiting Palm Beach County to approve the necessary permits to deliver and set up the new trailer.

A significant portion of these are unfunded. It is for this reason that we are appealing to the membership who have not contributed to consider making a donation too. All donations are totally tax deductible. Be sure and mark your donation "BRARA Shack Fund"

There is still a lot of planning and considerable thought needed before we get there.

We hope to have the trailer installed in November with the new Air Conditioning unit.

We plan on being operational before Spring with Field Day conducted at the new Shack Trailer. There is a lot of work and cooperation required to meet this plan

## *Holiday Party Thu 17-Dec-15*

The Board is exploring changes for the Holiday Party. As stated in our September Newsletter, the party will be held on Thursday 17-Dec-2015 at the Greenbriar HOA Club House (Boca Chase, Boca Raton) between 1900 and 2300. A few things new this year:

As far as hard liquor - BYOB. Beer, wine, and set-ups will be provided.

In past years, BRARA contributed \$100 for the Hall. This year it is \$75 (already paid)

We are responsible for the post party clean up-that night

As in previous years, Each guest is encouraged to bring a Pot Luck dish large enough to feed 10. In lieu of a dish, guests are encouraged to provide a donation to offset costs.

Suggested donations:

- ⇒ \$15 per person
- ⇒ \$25 per couple
- ⇒ \$10 per child under age 14

Directions:

- ⇒ Upon entering Boca Chase from US-441/SR-7, continue Boca Chase Dr for 0.25 miles
- ⇒ Turn Right on 180th Pl South for 0.25 miles
- ⇒ To 10525 180th Pl South (right side of the road)

Park on the right side of the road only (same side as the Club House) and do not park on the grass.

Please RSVP with Walt by 30-Nov-2015.

## *Motion to Change the \$500 Expenditure Limit Approval Authority to the Board Approval*

At the September 2015 General Membership Meeting the membership present approved an amendment to Article 4 Section 6 of our Bylaws (Duties of President) wherein the President is empowered to make disbursements up to \$500. Expenditures in excess of this amount still need to be approved by the General Membership at a General Membership Meeting.

As part of the discussion, a motion was made and seconded to amend the latter portion of the Bylaws to require only Board Approval on expenditures greater than \$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, this is being posted so that we adhere to the thirty day advance notice requirement for a 02-December -2015 meeting where the General Membership will vote on this motion to change approval authority.

(Gerry, KG4FUR)



## Link McGarity WV4J Memorial Free Flea

Start Date: 11/07/2015  
End Date: 11/07/2015  
Location: JFCS of Palm Beach  
County  
5841 Corporate Way  
West Palm Beach, FL 33401  
Website: <http://www.palmswestradio.org>  
Sponsor: Palms West Amateur Radio Club  
Type: ARRL Hamfest  
Talk-In: 147.045 (PL 110.9)  
Public Contact: Robert Pease ,  
KS4EC  
11894 Brierpatch Court Wellington, FL 33414  
Phone: 561-358-9999  
Email: [ks4ec@att.net](mailto:ks4ec@att.net)

## Flamingo Net / UMARC Free Flea

Start Date: 11/21/2015  
End Date: 11/21/2015  
Location: Physics/Gifford Arboretum  
Parking Lot  
5101 San Amaro Drive  
Coral Gables, FL 33114  
Website: <http://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](mailto:wa4tej@juno.com)

## Free Laurel VEC Testing



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

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

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

## Welcome New Members:

Patricia Atwater KM4EDR  
Bob Di Mezza W2GGI

Web site hits: 20,000  
For more on BRARA  
[www.n4brf.org](http://www.n4brf.org)

## Okeechobee Hamfest in the Woods

Start Date: 11/28/2015  
End Date: 11/28/2015  
Location: Freedom Ranch  
11655 US Route 441 SE  
Okeechobee, FL 34972  
Website: <http://www.k4oke.com>  
Sponsor: Okeechobee Amateur Radio Club  
Type: ARRL Hamfest  
Talk-In: 147.195 (PL 100)  
Public Contact: Amos McDaniel ,  
KK4AMK  
7615 NW 86th Court Okeechobee, FL 34972  
Phone: 863-467-8823  
Email: [kk4amk@yahoo.com](mailto:kk4amk@yahoo.com)

## 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).

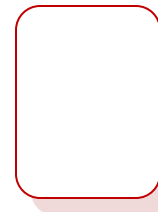
### the Radio Flyer's Purpose

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



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



## Test Your Antenna IQ

1. What is the characteristic impedance of flat ribbon TV type twin lead?
  - 300 ohms
  - 50 ohms
  - 75 ohms
  - 100 ohm
2. How does the attenuation of coaxial cable change as the frequency of the signal it is carrying increases? It decreases
  - It increases
  - It is independent of frequency
  - It reaches a maximum at approximately 18 MHz
3. What must be done to prevent standing waves on an antenna feed line?
  - The antenna feed-point impedance must be matched to the characteristic impedance of the feed line
  - The antenna feed point must be at DC ground potential
  - The feed line must be cut to an odd number of electrical quarter wavelengths long
  - The feed line must be cut to an even number of physical half wavelengths long
4. If the SWR on an antenna feed line is 5 to 1, and a matching network at the transmitter end of the feed line is adjusted to 1 to 1 SWR, what is the resulting SWR on the feed line?
  - 1 to 1
  - 5 to 1
  - Between 1 to 1 and 5 to 1 depending on the characteristic impedance of the line
  - Between 1 to 1 and 5 to 1 depending on the reflected power at the transmitter
5. What is the approximate length for a 1/2-wave dipole antenna cut for 14.250 MHz?
  - 8 feet
  - 16 feet
  - 24 feet
  - 32 feet
6. Which of the following would increase the bandwidth of a Yagi antenna?
  - Closer element spacing
  - Loading coils in series with the element
  - Larger diameter elements
  - Tapered-diameter elements
7. What is the approximate length of the driven element of a Yagi antenna?
  - 1/4 wavelength
  - 1/2 wavelength
  - 3/4 wavelength
  - 1 wavelength
8. How does increasing boom length and adding directors affect a Yagi antenna?
  - Gain increases
  - Beamwidth increases
  - Weight decreases
  - Wind load decreases
9. What is the approximate maximum theoretical forward gain of a three element, single-band Yagi antenna?
  - 5.4 times the gain of a dipole
  - 9.7 dBd
  - 9.7 dBi
  - All of these choices are correct
10. Approximately how long is each leg of a symmetrical delta-loop antenna?
  - 1/4 wavelength
  - 1/3 wavelength
  - 1/2 wavelength
  - 2/3 wavelength



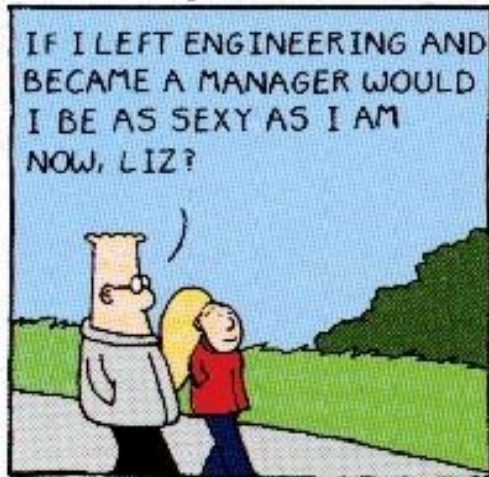
11. What does the term "NVIS" mean as related to antennas?

- Non-Varying Impedance Smoothing
- Non-Visible Installation Specification
- Near Vertical Incidence Sky Wave
- Nearly Vertical Inductance System

12. What is the primary purpose of antenna traps?

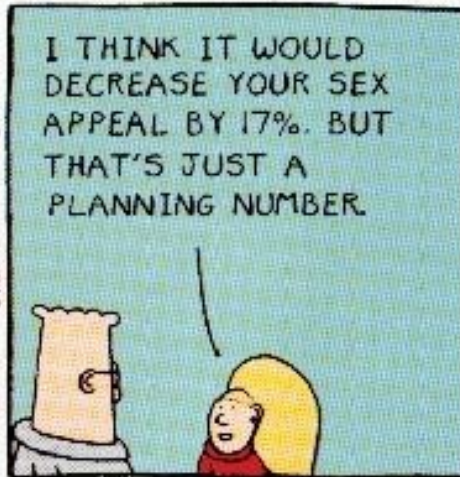
- To notch spurious frequencies
- To prevent out of band operation
- To provide balanced feed-point impedance
- To permit multiband operation

### DILBERT® by Scott Adams



1-19-95

DILBERT® United Feature Syndicate, Inc.



### Ham Humor: 'Game of Rohns' To Debut *WBORUR*

HOLLYWOOD, Calif.- Entertainment producer Mark Cornett is announcing a new amateur radio themed television series scheduled to debut this fall on the American Television Channel. "Game of Rohns" will take place in the fictional New England town of Queen's Landing, Rhode Island.

The show simultaneously follows three New England ham radio operators as they vie to erect the tallest towers in the hamlet; overcoming negative community reactions, city building and land use codes, financial challenges and other obstacles.

Cornett says he is excited about beginning production.

"It's a remarkable story line with fame, fortune, tragedy, success and dragons. Well, no dragons. But it's still exciting!"

The pilot episode introduces viewers to patriarch Eddie Stark, as he attempts to raise a 30-foot push-up pole with a UHF/VHF antenna mounted on top. Strong winds and violent winter weather bring the mast

tumbling to the ground on the property of Stark's neighbor, Tyrone Bannister, with whom Stark has a long-standing feud.

Both men decide to erect the "tallest radio tower ye may have ever had the privilege of climbing"; each attempting to out-do the other.

Check your local cable or satellite provider for times and dates.

Cornett says he is developing two additional amateur radio related shows for ATC, a comedy called "That Callsign Is Not Valid" and a documentary about obsessive compulsive disorder called "AGAIN AGAIN."

### hamjinks.com



### Quiz Answers:

1. 300 ohms
2. It increases
3. The antenna feed-point impedance must be matched to the characteristic impedance of the feed line
4. 5 to 1
5. 32 feet
6. Larger diameter elements
7.  $\lambda/2$  wavelength
8. Gain increases
9. 9.7dBi
10.  $\lambda/3$  wavelength
11. Near Vertical Incidence Sky wave
12. To permit multi-band operation