



# Bergen Amateur Radio Association

# BARA Bulletin

November 2017

Volume 54 Number 11

*Our 54th Year*

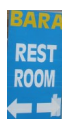
[www.BARA.ORG](http://www.BARA.ORG)

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### November BARA Meeting Program

Tony, K2AMI, will show slides of BARA highlights from the year.



### BARA Awards and Recognition Dinner

**Sunday, December 3**

**5:00 pm**

at

**The Crow's Nest**

**309 Vincent Ave.**

**Hackensack, NJ**

[www.crowsnest.com](http://www.crowsnest.com)

**Member and guest: \$25 each**

The menu consists of:

- Minestrone Soup
- Garden Salad
- Choice of Entrée:  
Prime Rib, Salmon Fillet, or  
Chicken Marsala
- Apple Crisp a la mode
- Unlimited soda, Cash bar

Make out check to BARA and bring to Sunday meeting or Kit Night. Check may also be sent to David Levine at 11 Mackay Ave. Waldwick, NJ 07463.

If sending check, email David at [K2DSL@ARRL.NET](mailto:K2DSL@ARRL.NET) to let him know.

### BARA Officer Elections

The election of BARA officers will take place at the BARA business meeting on November 5th.

Positions to be elected are:

President

Vice-President

Treasurer

Secretary

Trustee

All are for a one-year term except Trustee which is a 3-year term.

All members in good standing are eligible to vote. Please attend the meeting to participate in this important function.

### Fair Lawn ARC Annual Auction

Friday, November 24, 2017 beginning at 7PM at the Fair Lawn Senior Center, 11-05 Gardiner Road, Fair Lawn, NJ 07410. Sellers are asked to arrive at 5:00 PM; the auction is open to buyers beginning at 5:30 PM with proceedings starting promptly at 6:30 PM. Equipment is limited to Amateur Radio or computer related items for amateur radio only.

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

## PUBLIC SERVICE

### BC RACES NET

2<sup>nd</sup> and 4<sup>th</sup> Wednesdays of each month.  
7:45 PM on the W2AKR Repeater  
146.790 MHz; PL 141.3 Hz.  
Net control is NJ2BC  
Directed training net for all authorized  
Bergen County RACES stations and  
authorized liaison stations.

### BC RACES

#### Communications Unit

Any licensed ham operator in Bergen County, if not already a member, is asked to join the BCRACES team by sending an e-mail to:

**bcraces@bcoem.org**

with your name, callsign, e-mail, and municipality.

#### New HF Digital Net Focused on EMCOMM

The New Jersey Narrow Band Emergency Messaging System (NJ-NBEMS) Net meets every Sunday Morning at 9:30 AM on 7.073 MHz using OLIVIA-8-500. This net is NOT affiliated with RACES or ARES, so any Radio Amateur with appropriate operating privileges may participate.

FLDIGI is the preferred sound card software because FLAMP and FLMSG are used for message handling. This is a training net for new users, so operator error is expected and well tolerated.

For additional information contact Bill, KC2VUT at arrl.net, Rick, N2PHI at comcast.net or Karl, W2KBF at arrl.net.

## VE EXAM SCHEDULE

The next Ham License test session is scheduled for:

**November 17  
7:00 PM**

at the  
**Township of Washington  
Senior Center  
350 Hudson Ave.  
Twp of Washington, 07676**

The FCC has imposed a Testing fee of \$15.00 per exam/retest.

#### Required documents:

- Two forms of ID required for all transactions.
- Social Security Number if unlicensed or **FRN** Number if licensed.
- Original CSCE if prior test credit is claimed.
- If license upgrade, a signed copy of current FCC license

Calculators are permitted, iPhones and iPads are not permitted.

#### Questions may be directed to:

Don Younger, W2JEK  
201-265-6583

#### Question Pool Revision:

**The Extra exam question pool was revised on Sept 1, 2016.**

#### Current Question Pool:

Technician, Element 2-Sept 1, 2014  
General, Element 3 - Sept 1, 2015  
Extra, Element 4 - Sept 1, 2016

Practice tests and study guides available at QRZ.COM.  
[www.qrz.com/hamtest](http://www.qrz.com/hamtest)

## Link of the Month

Goodbye FT8, Hello Olivia, The MAGIC Digital Mode For HF!

<http://forums.qrz.com/index.php?threads/goodbye-ft8-hello-olivia-the-magic-digital-mode-for-hf.585617/>

## K2BAR NETS

#### SSB Net:

**Mondays 9:00 pm**  
10 Meters – 28.375 MHz  
Net Control: Jim, K2ZO

#### FM Nets:

**Wednesdays 9:00 pm**  
2 Meters: 146.79 MHz.  
PL 141.3  
Net Control: Dan, WA2CLP

**Thursdays 8:30 pm**  
70 cm: 444.100  
PL 141.3  
Net Control: Marco, KC2ZMA

**Thursdays 9:00 pm**  
**Technical Net**  
Pearl River  
NJ2BS Repeater  
2 Meters: 146.835 MHz. (-600 kHz)  
PL 151.4  
Net Control: Gordon, W2TTT



## BARA Meeting Minutes October, 2017

Meeting called to order at 7:25 PM. Minutes from the September meeting were approved (Bill WA2JKY, Bruce W2SE).

Correction to the September Bulletin noted: BARA Dinner is on **DEC 3**, not December 5.

**Treasurer's Report:** David K2DSL presented the September balance and reminded members that the upcoming hamfest is a significant fundraiser for the club.

**Net Reports:** Jim K2ZO reported that the 10-meter net is fine. Gordon W2TTT said that the Tech net has been on hiatus for the summer, but will be resuming this Thursday, October 5.

**Hamfest: October 7**  
Sign-up sheets were distributed.

**Fox Hunt: October 15** –Meet in the parking lot of Westwood Jr/Sr High School.

**Elections:** Jim K2ZO announced that elections will be held at the November business meeting. Nominating committee to be announced.

**BARA Dinner: December 3**  
The cost for the dinner is \$25 for members and \$25 for a guest. Please get money to David K2DSL. There will be a choice of entrees.

**Announcement:** Gordon W2TTT announced that a Scouting Jamboree On The Air event will be held in Oakland on Friday 10/20 and Saturday 10/21. Please see Gordon if you are interested in helping.

**Program:** Presentation by Rebecca Mercuri, Ph.D., KA3IAX about New Jersey's contributions to transmission history from telegraphy to Telstar.

Meeting adjourned at 8:45 PM (Bill, WA2JKY, Rich, KD2MBX).

Respectfully submitted,  
Susan, WA2ZZ  
Secretary

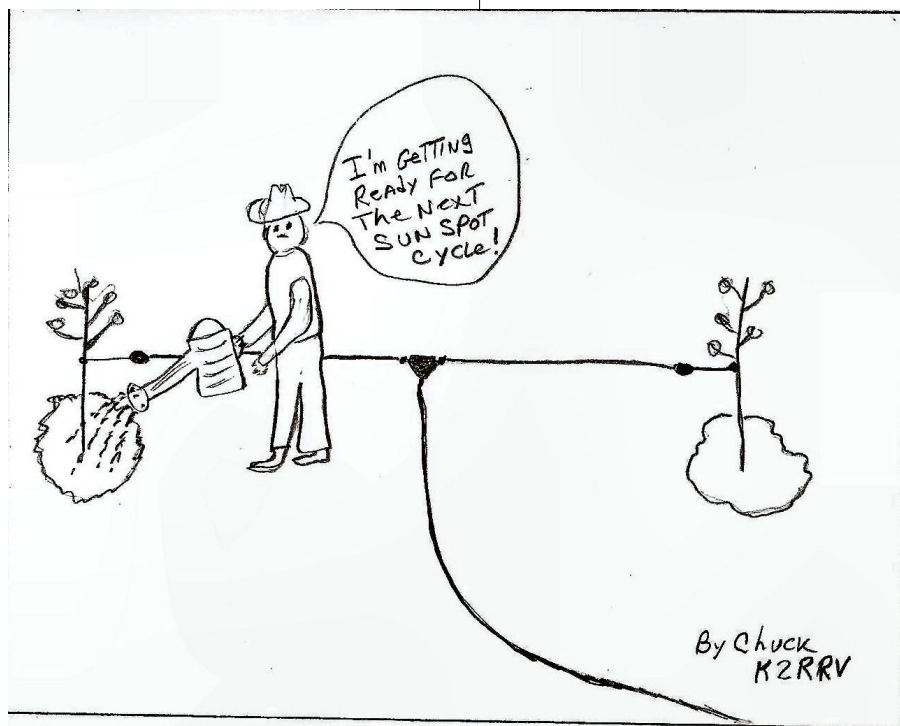
## Countdown to Launch of AMSAT's RadFxSat Fox-1B)

RadFxSat (Fox-1B) is scheduled for launch on November 10, 2017. RadFxSat is one of four CubeSats making up the NASA ELaNa XIV mission, riding as secondary payloads aboard the Joint Polar Satellite System (JPSS)-1 mission. JPSS-1 will launch on a Delta II from Vandenberg Air Force Base, California.

RadFxSat is a partnership with Vanderbilt University ISDE and hosts four payloads for the study of radiation effects on commercial off the shelf components. RadFxSat features the Fox-1 style FM U/v repeater with an uplink on 435.250 MHz (67.0 Hz CTCSS) and a downlink on 145.960 MHz.

## How Many "BARA Rest Room" signs can you find?

As a carryover from an "activity" at the BARA October Hamfest, how many "BARA Rest Room" signs can you find in this issue of the BARA Bulletin?



## BARA BULLETIN

The BARA Bulletin is published monthly by the Bergen Amateur Radio Association. Subscriptions are included in the annual membership dues. Membership is open to anyone interested in radio communication.

## BARA RESOURCES

### QSL Bureau:

Warren Hager, K2UFM

### Public Service:

### Club Contesting:

Phil Barber, WA2LXE

### VE Exams:

Don Younger, W2JEK  
Donnan917'at'aol.com

### Hamfests:

Jim Joyce, K2ZO

### Webmasters:

wm'at'bara.org  
Tony Izzo, K2AMI  
David Levine, K2DSL

## MEMBERSHIP APPLICATION



Interested in learning more about amateur radio and meeting new people? Then join the Bergen Amateur Radio Association (BARA). Dues are \$25 per year. Send your application request to:  
David Levine, K2DSL  
11 Mackay Ave.  
Waldwick, NJ 07463  
e-mail to k2dsl'at'arrl.net.  
Please include your name, address, town, zip, call sign, license class, and phone number.

### Upcoming Events

**Nov 4, 5 - ARRL Sweepstakes - CW**

**Nov 5 - Daylight Savings Time Ends**

**Nov 5 - BARA Business Meeting**

Nov 3 - Kit Night

Nov 7 - Kit Night (Downstairs)

Nov 14 - Kit Night

Nov 17 - Ham License Exam Session

**Nov 18, 19 - ARRL Sweepstakes - SSB**

Nov 21 - Kit Night

**Nov 24 - FLARC Auction**

Nov 28 - Kit Night

**Dec 1 - 3, ARRL 160 M Contest - CW**

**Dec 3 - BARA Awards Dinner**

Dec 5 - Kit Night

Dec 8-10, ARRL 10 M Contest

## BARA KIT NIGHT

7:00 PM to 9:30 PM

Township of Washington Senior Center  
350 Hudson Ave., Township of Washington, 07676

- ◆ Build a kit related to Amateur Radio (partial BARA funding available)
- ◆ Diagnose/repair a defective piece of equipment
- ◆ Discuss radio and computer problems
- ◆ Technical assistance available
- ◆ Seek/give technical opinions

## Welcome New Members:

James Koestler - AC2IL - Nanuet, NY  
Steven Demers - Hawthorne  
Linda Doering - Garfield  
Ronald Warner - KB2LLP - Paramus  
Francesco Bernardo - Cliffside Park  
Robert Quigley - Jersey City

## BARA Fox Hunt Results

No one won the BARA Fox Hunt. The fox was hiding behind the Paramus library . There is a band shell for lawn concerts during the summer months. The Fox was hiding behind the Band shell.



Jim, K2ZO, and Jim, KC2VRY, got to the front of the Band shell but did not go behind the shell where the fox was hiding .

They were within 50 feet of finding the Fox.

## From the ARRL...

### New Digital Modes Changing Complexion of Bands and Perhaps of Ham Radio

The wave of software-based digital modes over the past several years has altered the atmosphere of the HF bands. Some suggest the popularity of modes that make it possible to contact stations neither operator can even hear has resulted in fewer CW and SSB signals on bands like 6 meters and 160 meters. Traditional modes require far more interaction and effort on the part of the operator; the newer digital modes, not so much. The recent advent of the still-beta "quick" FT8 mode, developed by Steve Franke, K9AN, and Joe Taylor, K1JT -- the "F" and the "T" in the mode's moniker -- has brought this to a head. Some now wonder if FT8 marks the end of an era and the start of a new, more minimalist age.



Expect a big signal from Hector, W2NPR, in North Carolina when he installs his new tower with: Mosley Pro-67-C-3 for 40m to 10m; M2 6M5XHP for 6m; Cushcraft A27010-S for 2m/70cm SSB, and Hustler G6-270R for 2m/70cm FM

## FOR SALE

### Icom IC-7700



**\$ 3,500. Firm**

The IC-7700 still sells for approximately \$6,000.00 from various vendors.

This one is like new condition, but needs new final transistors. The approximate cost of parts and labor is \$170.00 plus shipping to and from service center. You can save shipping costs as there is an authorized service center in drivable range to Maryland.

While on in the RX mode, radio performs perfectly. When TX is engaged, the circuit breaker trips due to the bad final(s). The radio could be repaired by a knowledgeable user purchaser.

I am purchasing a different rig, and that is why it is being offered at this ,as is, needs repair, low price. I still have the original box, packaging, and complete manual. If you are interested, contact Jim Ewings, K2FJ, BARA member, <K2FJ@ARRL.NET>, or 201-391-7269. This is a great rig, and for the price well worth it.



**MEMBER REPORTED CONTEST SCORES  
SUBMITTED  
FOR AGGREGATE CLUB SCORE**

**Makrothen RTTY Contest**

	Power	QSOs	Score
<b>WA2LXE</b>	Low	89	260,694
<b>K2AMI</b>	Low	24	46,700

**Stew-Perry CW Contest—160 M**

	Power	QSOs	Score
<b>WA2ALY</b>	Low	64	201

**JARTS RTTY Contest**

	Power	QSOs	Pts	DXCC	Call Area	Score
<b>K2AMI</b>	Low	38	79	4	19	1,817

**CQ WW DX Contest - SSB**

	Power	QSOs	Score
<b>WA2ALY</b>	Low	123	32,780

**From the ARRL ...**

**ARRL November Sweepstakes**

For many, ARRL November Sweepstakes (SS) is the premier ARRL fall operating event, with the lure of a "Clean Sweep" being the ultimate goal. The challenge of SS is to work as many stations in as many of the 83 ARRL and Radio Amateurs of Canada (RAC) sections as possible. Be the first in your neighborhood to work all 83 and qualify for a "Clean Sweep" mug!

SS takes place on separate November weekends. The CW weekend is November 4-6, and the SSB weekend is November 18-20. The contest period for each contest begins at 2100 UTC on Saturday and continues through 0259 UTC on Monday. Stations may operate 24 hours of the available 30 hours. In a change this year, logs are due **5 days** after each event. SS is a "domestic" contest with broad appeal, and even stations with modest equipment and antennas can enjoy success.

Given its origins in the traffic-handling realm, ARRL November Sweepstakes has a lengthy exchange that replicates a radiogram preamble. In SS, stations exchange:

- ◆ A consecutive serial number (NR).
- ◆ Operating category -- **Q** for Single Op QRP; **A** for Single Op, Low Power (up to 150 W output); **B** for Single Op,

**DX Insights**

**REVILLAGIGEDO ISLANDS, XF4**

**IOTA NA-030**

**#34 on the DXCC MOST WANTED LIST**

The Revillagigedo Islands, located 450 miles off the coast of Mexico in the Pacific Ocean, have been under Mexican federal jurisdiction since 1861. The archipelago consists of three small islands with the island of Socorro home to a small military garrison. No other occupants live on the island.

The island is known for its unique ecosystem and is considered the Galapagos of Mexico. There are many native land and sea birds on the island as well as native plants and flora. The seas around the island are popular with scuba divers and have a vast variety of marine life. Visiting expeditions usually stay aboard their vessels and not on the island.

There have been several DXpeditions to the islands over the years. Getting the permits and authorization is very difficult to obtain. Because of the distance from the Mexican main land, the ITU prefix **XF4** was given and it is considered a separate entity for DXCC credit. The last DXpedition to operate from the island was a international group using the call 4A4A in March of 2011.

The bands are picking up with the change in the season and some good DX is showing up on the higher bands as well as the WARC bands. If you haven't been active it's time to tune the bands in search of a new one or new band entity.

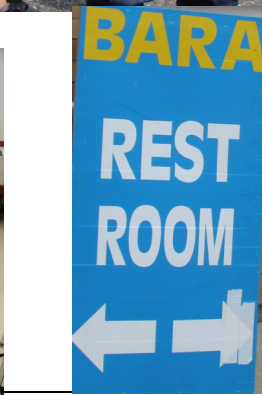
Good DXing  
73 Harry W2FT

High Power (greater than 150 W output); **U** for Single Op, Unlimited, regardless of power; **M** for Multioperator, regardless of power, and **S** for School Club.

- ◆ Your call sign.
- ◆ Check (CK) -- the last two digits of the year of first license for either operator or station.
- ◆ Your ARRL or RAC Section



Hamfest Oct. 2017



Next Business Meeting  
 Sunday, Nov. 5th  
 at the  
 Twp. Of Washington  
 Senior Center

**President**

Jim Joyce, K2ZO  
K2ZO 'at' ARRL.NET

**Vice-President**

Tony Izzo, K2AMI  
K2AMI 'at' ARRL.NET

**Secretary**

Susan Barber, WA2ZZ  
WA2ZZ 'at' ARRL.NET

**Treasurer**

David Levine, K2DSL  
11 Mackay Ave.  
Waldwick, NJ 07463  
K2DSL 'at' ARRL.NET

**Trustees**

Bennett Norell, KO2OK  
KO2OK 'at' ARRL.NET

Gordon Beattie, W2TTT  
W2TTT 'at' ATT.NET

Chuck Lemken, KC2SST  
CLEMKEN 'at' HOTMAIL.COM



**BARA Bulletin**

Phil Barber, WA2LXE, Editor  
WA2LXE 'at' ARRL.NET

**Presidents Emeritus**

Bill James, WA2QHL - SK  
Dominick Interdonato, NB2F - SK  
Steve Mendelsohn, W2ML - SK



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