



RF News

January 20, 2017

Featured Articles

From the President	Pg 2-3
80 th Anniversary Badge	Pg 3
Upcoming Events	" "
Hamfests	Pg 4
RF Bytes	" "
ARRL Contests	Pg 5
Tech Talk	" "
BSA Winter Camp	Pg 6
POLL: Club Apparel	Pg 7
ARES Net	Pg 8
USS Kidd Operating Sched	" "
Member Public Service	Pg 9
BRARC History	Pg 10-11
ARRL Parity Act	Pg 12
Radio Loan	Pg 13
From the Editor	Pg 14
Antenna Install	Pg 14-15
Repeater Etiquette	Pg 16
Eagle Expo	" "
New Calls	" "
Tech Classes	Pg 17
VE testing	" "
Test Your Knowledge	Pg 18
Ads	Pg 19
Elmers	" "

Baton Rouge Amateur Radio Club

PO Box 4004, Baton Rouge, LA 70821

Web: www.brarc.org

President	Jon Reise, WA9JBR
Vice President	Robin Hudson, KK5RH
Secretary	Todd Huovinen, AB5TH
Treasurer	Ken Shutt, W5KQ
Directors	Vernon Morris, AA5O Brook Samuel, N5DGK Daniel Smith, N5KHM Steve Irving, WA5FKF Dave Thomas, K5CGX Brett Hebert, KG5IQU Ty Mixon, KA1TY
Repeaters:	146.790 - and 444.400 + (PL tone 107.2) Both Yaesu System Fusion
Nets:	Region 2 ARES Net Sundays 8:00 PM
QSY	<u>146.940 (PL tone 107.2)</u> BRARC Club Net Sundays 8:30 PM 146.790 (PL tone 107.2) 10 Meter Net Mondays 7:30 PM 28.450MHz USB

From the President

Greetings and welcome to 2017 from your BRARC Board of Directors! Last year was exciting for our club. We finished the year with our Christmas Banquet in early December, and then BSA Radio Merit Badge clinics at the Avondale Scout Camp in Clinton after Christmas. We concluded with a National Parks On The Air (NPOTA) HP29 activation, in Natchez, MS on December 30th. All in all, it was a very successful and fun filled year for all that participated.

This year our club will be celebrating its **80th Anniversary**, which makes us the oldest club in Louisiana. Commemorative BRARC name badges will soon be available, as well as some clothing items. We hope to celebrate the anniversary with operating events during the year, so stay tuned. We will need everyone's help to make this celebration successful.

Tuesday, January 24th, we will be hosting an introductory **SKYWARN** training class at the Main Library, presented by the National Weather Service.

We all know how severe weather can affect us in southern Louisiana, especially after 2016.

Knowing the basics of identifying severe weather and taking the necessary precautions, is essential to safeguard ourselves and our families.

We can learn the basics of weather spotting from this SKYWARN class.

As an Amateur Radio Operator, you may also want to participate as a Weather Spotter and report severe weather through our local 2 meter weather net or directly to the NWS in Slidell, LA. Hope to see you at the training.

January 26th, we will be starting a 12-week **Technician Class** at the Main Library. If you know anyone interested in getting a license, send them to our website to register on-line for the class.

We are happy to say that we will have a **January Club Meeting on Tuesday, Jan 31st**. We were able to reserve the large meeting room at the Main Library and Dick Burroughs, N5KIP will present *Adjusting Your HF Receiver*. A VE exam session at 6 pm will precede the meeting. If you know of anyone who is ready to test or you want to upgrade, this is your opportunity.

We are planning a lot of club activities for 2017. Although we have over 100 club members, only a small percentage volunteer to help with club activities.

Everyone's time is valuable and certainly family and job come first, but think about giving a little bit of your time to help with at least one of these activities this year.

Continued on Page 3

Right now, we are in need of volunteers for the Technician Class, the 80th Anniversary Committee, Outreach Committee, RF News, USS KIDD operators, as well as others. Just let a Board Member know of your interest. 2017 will be an exciting year to be a member of BRARC, but only with your involvement!

73,
Jon, WA9JBR

80th Anniversary Commemorative Name Badge

Example



\$20.00

Available for purchase soon
Contact Ken Shutt, W5KQ

Upcoming Events

Jan 21 (Sat) 36th Annual Hammond Hamfest, Hammond, LA

Jan 24 (Tue) Beginner SKYWARN Session
Goodwood Library 6:30-8:30 pm

Jan 26 (Thur) Technician License Class
Goodwood Library 6:00-8:00 PM

Jan 28 (Sat) Capital City Hamfest
Jackson, MS

Jan 31 (Tue) BRARC Club Meeting
Goodwood Library 7:00 PM
Program Topic: *Adjusting Your HF Receiver* by Dick Burroughs, N5KIP

Jan 31 (Tue) Quarterly VE Session
Goodwood Library 6:00 PM

Feb 7 (Tue) Board Meeting
Red Cross Building 6:30 PM

Feb 13-17 School Club Round Up

Feb 18 (Sat) Eagle Expo, Morgan City, LA

Feb 21 (Tue) BRARC Club Meeting
Program Topic: Logging Software -
Ham Radio Deluxe Software/80th Birthday
Goodwood Library 7:00 PM



Upcoming Hamfests

January 21

36th Annual Hammond Hamfest,
Hammond, LA

<http://www.selarc.org/selarchamfest.htm>

January 27-28

Capital City Hamfest, Jackson, MS

<http://www.hamfest.msham.org/>

February 25

Orange Hamfest, Orange, TX

http://www.qsl.net/w5nd/index_files/HAMFEST%20INFO/hamfest%20info.htm

March 10-11

57th Annual Acadiana Hamfest,
Rayne, LA

<http://www.w5ddl.org/hamfest/>

May 19-21

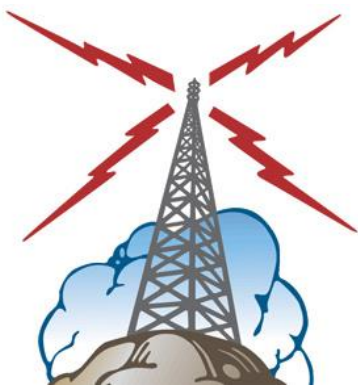
2017 Dayton Hamvention, Xenia, OH

<http://hamvention.org/>

June 9-10

Hamcom, Irving, TX

<https://www.hamcom.org/>



RF Bytes

- See our **BRARC Website** at www.brarc.org to keep up-to-date on all the club happenings. Like us on Facebook and post a question or comment on www.reddit.com, search BRARC.
- **2017 Club Dues** are now being received by Ken Shutt, W5KQ. You can pay the \$25 by credit card, check, or cash at SKYWARN training, 24 Jan 2017 or by contacting Ken Shutt directly. And remember, you can pay for additional years and lock in the current rate.
- Our membership application has been revised and is now available on our Website Home and Contact page.
- **Do you have an interesting topic** for a 20 minute or 45 minute presentation at one of our meetings? We will even help you with the presentation. Please contact Jon, WA9JBR with your ideas. We need you!
- Do you have **radio gear you want to buy or sell**? Members can place their ad in this newsletter free of charge. Just email Jen, K5NMT at

We now have **BRARC business cards** for any member that can use them. The cards have the club's information without a person's name. They are for members to hand out to the public to promote Amateur Radio and BRARC. Contact Thornton, K5HLC to get your cards.

BRARC Facebook Page

If you haven't done so, please visit and "like" our BRARC Facebook page. You will find a link at the club's website:
<http://brarc.org/>

We're using Facebook to keep the membership better informed in a timely manner about what's going on in your radio club. This page is also a good way for BRARC members to keep in contact with each other.

73,
Robin, KK5RH

Do You Have Topics or Suggestions for the RF News?

Do you have pictures, articles, links or other ham radio related items for inclusion in the RF News?

Contact Jennifer Bordelon, K5NMT, newsletter editor.

ARRL Contest Dates

January

21-22 North American QSO Party (SSB)

21-23 January VHF

February 2017

13-17 School Club Roundup

18-19 International DX – CW

March 2017

4-5 International DX– Phone



Tech Talk

- Do you have a question for an experienced operator?
- Do you need advice or assistance with an upcoming project?
- Are you interested in operating the Club HF radio on the USS Kidd?

Contact Jen, K5NMT

Your questions will be published in the next issue of RF News.



**2016 BSA
WINTER CAMP
Radio Merit Badge
Avondale Scout
Reservation**

**Istrouma Area Council BSA
12.27.16 thru 12.31.16**

During the holidays, the Baton Rouge Amateur Radio Club along with amateur radio operators from Miss Lou Amateur Radio Club supported the Radio Merit Badge at Avondale Scout Reservation, Camp Avondale. Seventeen (17) Scouts were preregistered for the 2 courses to earn the Radio Merit Badge. The 4-hour course included instruction in the science of radio, how radio waves travel, radio protocols, antennas, safety, and career opportunities. In addition to the instruction, the Scouts had to complete block drawings of components for a radio station, use of schematic symbols explaining what they were used for, and draw the electromagnetic spectrum plotting eight radio frequencies of which 4 had to be within the amateur radio band. To complete the merit badge, the Scouts had an opportunity to conduct a 10 minute QSO using ham radio. HF and VHF stations were available to the Scouts. Contacts were made with Mexico City and Western Canada using Icom IC-706MKIIG into an inverted G5RV running 100 watts on HF. Also, contacts were made using the BRARC and MissLou VHF repeaters. Amateur radio operators (AROs) from both clubs assisted with this endeavor.

Upon completion of the course, 7 Scouts earned their Radio Merit Badge and were challenged to go for their FCC Tech license. Avondale Scout Reservation, 1700 acres, is located 3 miles east of Clinton, Louisiana, and is the home for the Scouts from the Istrouma Area Council of the Boy Scouts of America. The Council serves 13 civil parishes in Southeast Louisiana and Wilkinson County in Mississippi.

**Radio Merit Badge Requirements Update
FROM K2BSA**



The Radio Merit Badge requirements have been updated for 2017. Here's a quick preview of the changes:

A new option for the Radio Merit Badge is Amateur Radio Direction Finding. This combines orienteering and foxhunting and opens a new interactive component to this program.

In addition, cellular telephone topics have been added along with different types of radio modulation. Key requirement changes were dropping open, closed, and short circuits as well as schematic symbols and components as these are covered in the Electricity and Electronics merit badges.

Other revisions include: minor edits and reordering of requirements in the Amateur Radio option; Radio Broadcasting option now includes Internet streaming, regulations, and power levels; Medium Wave and Shortwave Listening option includes both types of listening as well as listening via streaming services on your smart phone.

Michael J. Nolan, KD5MLD

Official Club Poll

BRARC is working with Lands' End to provide apparel embroidered with the club logo.

Contact Todd Huovinen, AB5TH, at by **January 31** to cast your vote for the following:

- Traditional logo
- 80th Anniversary logo
- Both logos
- Total number of shirts

After the logo has been submitted to Lands' End, you will be able to order any item directly through Lands' End at any time.

Traditional



80th Anniversary



These are a few examples of many styles and colors.



Check out the best sellers at

<https://business.landsend.com/Best-Sellers/c/75>



LA ARES Region 2 Net Alert - Frequency Change (QSY) 146.940, PL 107.2

The Louisiana ARES Region 2 Net will be held on the 146.940 repeater rather than the 146.790 repeater. The reason for the change of frequency is to be able to receive emergency ARO communicates from parishes that are not able to reach the 79 repeater, to be specific, Pointe Coupee, the Felicianas, and parts of north Livingston.

Prior to our Sunday night net at 8:00pm, please configure your VHF transceiver to the new frequency & PL tone, 146.940, PL 107.2. Also, please monitor and use the frequency daily. I plan on monitoring its use and will respond when I hear transmission.

I would like to thank the BRARC for the use of their 79 repeater and will continue to monitor it for emergency traffic. If there is an ARO that would like to be the Liaison Station, please let me know. Basically, the 79 Liaison Station would check into the emergency net on 94 and QSY to the 79 repeater and report any emergency or routine traffic to the 94 net controller (NC) during a net activation.

If anyone has any questions, please contact me. Thank you for all that you do for emergency amateur radio communication.

Michael J. Nolan, KD5MLD

USS Kidd 2017 Operating Events



Operators Needed

Vietnam Veterans Day
WED 29 March

Memorial Day
MON 29 May

Museum Ships on the Air Weekend
SAT 3 June
SUN 4 June

Independence Day
TUES 4 July

Veterans Day
SAT 11 November

Pearl Harbor Day
THURS 7 December

For more information, contact
Dave Thomas, K5CGX.

- ✓ If you would like to arrange an alternate date and time to operate on the USS Kidd, contact Jen, K5NMT. This is a great opportunity to gain experience operating a HF radio, and managing pile ups.

Putting the Public Service in Public Service Radio



Dan Lott, KF5TQN
Guides Traffic Around Manhole
(photo by author)

On January 1, 2017, during the heavy New Year's rains, the cover of a manhole in the inside lane on Staring Ln near Rickshire Dr was blown off due to a problem in The Baton Rouge Sanitary Sewer System. Dan Lott, KF5TQN, and his friend Brooke managed to guide traffic around the obstacles. Brooke called the Emergency Operations Center (911) and they transferred her to DPW. They reported the incident, and asked us to continue to guide traffic.

Dan used his handheld radio to contact Dick Burroughs, N5KIP, and asked him to call DPW to confirm if they had anyone on the way and how far away they were.

DPW said there was never a report created. Dick copied down every piece of information he could get. Dan thanked him once he ended the conversation.

For two hours of Dan and Brooke guided traffic, the smell of raw sewage strong in the air, before DPW showed up to put the manhole cover back on.

During those two hours of guiding traffic, a lady and her daughter pulled up. The lady had said that her daughter had popped a tire on the obstacles she could not see due to heavy rain. The lady then proceeded to the trunk of the car and handed Brooke a white pillowcase to help flag down speeding traffic, augmenting Dan's flashing strobe.

The DPW official called in and asked for some barricades to block people from driving over the bubbling orifice & bobbling lid as fresh sewage was still spewing from the manhole.

Unfortunately, no one from DPW showed up to barricade the problem that day. Dan and Brooke were just relieved that they could get out of the rain and raw sewage. The intrepid duo was extremely happy that no one got hurt & property damage was minimized.

Dan and Brooke want to give a huge thanks to Dick for calling DPW and making sure that someone was on their way.

By Brooke Jagneaux



BRARC History

1937

Ed: The following history of BRARC could not have been completed without the dedication of Al Heine (W5OVV) who published many articles in the RF New and our 50th anniversary directory in 1986. Al joined the club in 1947 and was an active member until his passing in 2009.

In 1901, Marconi spanned the Atlantic with his radio signal for the first time and in 1909 a radio hobby group was organized by a group of local teenagers. It wasn't long before experimenters in the Baton Rouge area joined in on the new hobby. Even before World War I they were tinkering with spark gap generators, coherers and regenerative / super-regenerative receivers. After the War, licenses were issued to several area residents and Vincent Rosso, 5KC was among the first.

In 1937, a group of 10 amateur radio operators organized the Baton Rouge Amateur Radio Club. A letter was sent to the ARRL on **April 23, 1937**, requesting club affiliation information. The club held its first meeting in the Naval Reserve radio room on the third floor of the old City Hall (now the City Club). They later met at the old City Police Headquarters where Shirley Arrighi (W5AXS) was a radio operator.

These original club members included:

- Ken Purdy (W5FUM) / President
- George De La Matyr (W5BRR) / Vice President
- Al "Buddy" Switzer (W5GAL) / Secretary-Treasurer
- Don Allan (W5FVK)*
- "Doc" Boizelle [W5FQH (W5DQ)]
- J.A. Brady (W5EVZ)
- Jim Burnett, [W5GDA (N5FVF)]
- Ray Sturges (W5EQG)
- Fenton Smith (W5GEF)
- Jack Whitaker (W5HEZ)**



W5FVK at the 2004 BRARC Christmas Lunch

* W5FVK was the Chief Engineer for several radio and television stations for many years.

** W5HEZ found an interest in Ham Radio as a high school student. He got a license and joined the Club that year, perhaps the youngest ham in that original group of ten.

The rules of the club were strict compared to today's standards. The club met twice per month and dues were 25 cents per meeting. If a member missed four consecutive meetings they would be suspended. A 50 cent fine was collected before the member could be re-instated. Just a few weeks after organizing the Club, the members sent in an application to join the ARRL and to sponsor the State ARRL Convention.

On October 23 / 24 the convention was held at the Heidelberg Hotel in downtown Baton Rouge. Mayor Wade Bynum made the opening remarks. The programs included:

- “A River Engineer Uses Radio” – David Bowman (W5DXK)
- “Winding your own transformers” – George De La Matyr (W5BRR)
- “A Magic Box for Radio Engineer Photographers” – David Bowman (W5DXK)
- “Radio Wave Phenomena, Fading and Echoes” – Professor T. Parkinson (W5GIW) (LSU)

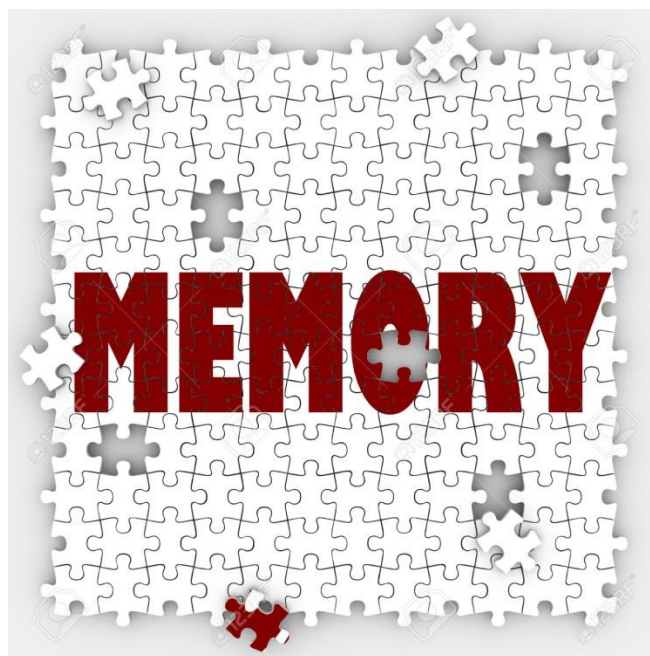
On March 6, the ARRL officially awarded a Charter to the club and the club reported the following in its annual report:

- Licensed Members: 10
- ARRL Members: 10
- Meeting Days: 1st and 3rd Monday of each month
- Annual Dues: \$5.00
- How many members...
 - have their own station: 10
 - use “phone”: 5
 - use CW : 5
 - use “phone” and CW: 2
- Club Plans for field day: Experience in use of Emergency Equipment
- Club activities: DX contests in running the lowest power

The club held meetings at the home of various members. When the Naval Reserve was organized in 1937, they provided a radio room on the 3rd floor of the old City Hall on North Blvd. The club ran a long wire antenna from the radio room to the Louisiana National Bank Building. Later the meetings were moved to the City Police Headquarters where Shirley Arrighi (W5AXS) worked as a police radio operator.

During this time Baton Rouge only had one commercial radio station, WJBO. Many of the local ham worked at the station. Wilbur Golson (W4AV / W5CD) was the first Chief Engineer and Ben Letson (W5BGO) was another engineer on the staff.

**Put your memory to work.
We welcome any stories
you have to share of the
history of BRARC and your
experiences through the
years.**





Update from the ARRL Amateur Radio Parity Act

Greetings Delta Division Amateurs,

QST QST QST

A new “Amateur Radio Parity Act” bill, HR 555, has been introduced in the U.S. House of Representatives for the new Congress. The bill’s language is identical to that of the 2015 measure, H.R. 1301, which passed in the House late last summer but failed in the waning days of the US Senate to gain the necessary support.

As with H.R. 1301, the new measure introduced on January 13 in the 115th Congress was sponsored by Rep. Adam Kinzinger (R-IL), with initial co-sponsorship by Rep. Joe Courtney (D-CT) and Rep. Greg Walden, W7EQI (R-OR). Walden now chairs the House Committee on Energy and Commerce, to which the new bill has been referred. H.R. 555 will get an initial airing in the Subcommittee on Communications and Technology. When H.R. 1301 came up in committee, Walden spoke forcefully in favor of the measure, which ultimately attracted 126 House cosponsors.

“Rep. Kinzinger has again stepped forward to introduce this important legislation,” said ARRL CEO Tom Gallagher, NY2RF. “His commitment stems from exposure to what the Amateur Radio community brings to the service of all communities. **The ARRL and radio amateurs nationwide owe Rep. Kinzinger a resounding ‘Thank You!’ for his efforts on their behalf.**”

The new bill would entitle a radio amateur living in a deed-restricted community to install and maintain an “effective outdoor antenna.”

The bill’s language preserves the existing language of the limited federal preemption known as PRB-1, as well as all important case law with respect to municipal land use regulation.

H.R. 555 calls on the FCC to establish rules prohibiting the application of deed restrictions that preclude Amateur Radio communications on their face or as applied. Deed restrictions would have to impose the minimum practicable restriction on Amateur Radio communications to accomplish the lawful purposes of homeowners association seeking to enforce the restriction.

Further, it now looks like Senator Nelson has changed his position of opposing any ARRL antenna legislation as he did with HR 1301 to that of now supporting our efforts! It seems the many amateurs in Florida have managed to persuade the Senator to support our efforts after opposing and effectively stopping last year’s effort. This is great news, and this time I know we will get it all successfully passed.

**ARRL Delta Division
Director: David A Norris, K5UZ**

Limited Time Offer from the ARRL Good Resources for New Hams



<http://www.arrl.org/shop/ARRL-s-Basic-Series-Bundle/>

Radio Loan Program

Radios are available for loan to BRARC members for a 90-day period. The procedure is to complete the application available on our website, and pay the rental fee of \$20 for the HF radio, \$15 for the VHF base radio, and \$5 for the 2m/440 HT.

If you are newly licensed, we will assist you in determining the best antenna for your location and assist you in the construction and installation of your antenna. The cost of the antenna will be the responsibility of the borrower.

The available radio packages are: • Icom IC-730 HF Transceiver with power supply, microphone, external antenna tuner, and G5RV antenna.

Icom IC-2100H VHF FM Transceiver with power supply, microphone, and external magnetic mount 144 MHz mobile antenna.

Yaesu FT-50R Dual-Band Hand-Held Transceiver with NC-60B charger.

For Details, Pictures, and Loan Application:

Go to www.brarc.org, and click on the Radio Loan tab.



From the Editor

Thank you for making a new girl feel welcomed. I hope that you are pleased with the format and content of this issue. It would be my pleasure to meet you, and hear your comments and suggestions. I have enjoyed contributing to, and editing other newsletters for various organizations.

I was granted my tech license 6 months ago, and updated to general in October. My first opportunity to operate was on the USS Kidd for Armed Forces Day, and I operated on many other occasions. I also participated in Field Day. My advice to new hams is to operate as much as possible, and ask questions. Hams like to talk. It is amazing how people from all walks of life can come together through this hobby.

Alexandria, LA, is my hometown, but I grew up in New Iberia, LA, where I learned to cook true Cajun food. I earned a Massage Therapy License in 2001. I have a private practice, and specialize in neuromuscular therapy (NMT). I am also employed by Medical Training College as a certified Massage Therapy Instructor. Please read my full bio on QRZ.

My husband Jimmy and I married and moved to Baton Rouge in 1998. We have a sweet American Bulldog puppy Jessie. Jimmy's expensive hobby is his 1984 El Camino SS that I tolerate. Once, I was most unhappy to find a carburetor boiling in a good pot on my kitchen stove.

I spent an eventful weekend with new ham buddies who installed my first antenna(s), and I am enjoying making contacts on HF. I am excited to attend my first Hamfest in Hammond this weekend. I eagerly anticipate an exciting 80th Anniversary year with BRARC.



My favorite quote that has been credited to many authors is, "In time, a person may forget what you said, but they will never forget how you made them feel."

73s,
Jen, K5NMT

Antenna Project

I operate a Kenwood TS-440 that was a generous gift from a long-time friend. This weekend, my friends installed (I assisted) an **EFHW-8010** from Myantennas.com. It has received only positive reviews, and is reported to function well in any configuration.



It is a 130' long end-fed antenna that is resonant on 80m. The 9:1 balun box is mounted at 12' to a mast made of fence top rail, and slopes 42' feet in a north-south orientation to a fine pine branch. It makes a sharp turn east in an inverted-L, and is attached to my fence by paracord. It is virtually invisible. SWR measurements at the feed point are 2:1- 3:1 on all bands, and the internal tuner has been tuning 80m-10m. I stumbled upon a casual net on Monday, and made 8 contacts from 6 states from Wisconsin to Wyoming with excellent signal reports.

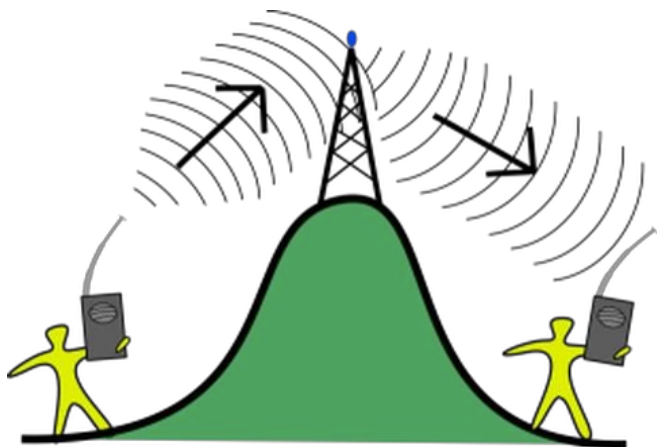
You will also notice my Tram 1480 dual bander on top of the 22' mast.

Contact me if you would like to come over to see it.



OM Jimmy the Grill Master

"Timing Out" Club Repeaters



On a couple of recent occasions, I managed to participate in "timing out" the 79 repeater. I began to transmit too quickly after the station I was talking to turned it back to me and the other station did the same.

Not only does this practice prevent others from joining the conversation, but the repeater does not have time to reset and eventually times out.

We all need to leave a little time between the end of the squelch tail and pushing the PTT to transmit.

73,
Dick, N5KIP

12th Annual EAGLE EXPO

18 Feb 2017
10:00 – 15:00

W5BMC, Bayouland Emergency Amateur Radio Service-BEARS, Morgan City, LA, is having a special events station in conjunction with the Eagle Expo.

The special events station will be on the air 18 Feb 2017 from 10:00 to 15:00 hrs local on 7.265 MHz and 14.265 MHz +/- . They will also be on 146.91- (no pl) and EchoLink WA5mc-R (Node 449086).

QSL, Jackie Price, KA5LMZ
1412 Maple St, Morgan City, LA 70380

Here is the link to the Eagle Expo for anyone interested in attending
<https://www.cajuncoast.com/event/eagle-expo>

Submitted by Elmer Tatum, N5EKF

New Calls

Thornton Cofield,

K5HLC

Jennifer Bordelon,

K5NMT

80th Anniversary Commemorative Certificates

Membership certificates are being designed for current members that will display your first year of membership. Stay tuned for details. Contact Jen, K5NMT with any comments or suggestions.

Technician License Classes

Classes for the Amateur Radio Technician License will be held weekly on Thursdays from **January 26 through April 13, 2017**. A schedule of topics will be added to the website when finalized. The class location is the Technology Lab at the EBR Main Library, 7711 Goodwood Blvd.

For more information, contact:
Brett Hebert, KG5IQU

Go to www.brarc.org and click on the education tab.

Follow this link to register:
<http://brarc.org/events/technician-license-class-series/>

VE Testing Dates

At Goodwood Library

January 31

April 25

October 31

*July 25

Red Cross Bldg

**Thank you
for contributing
to RF News**

**Jon Reise, WA9JBR
Gerard Ducote, W5TZX
Elmer Tatum, N5EKF
Dick Burroughs, N5KIP
Michael Nolan, KD5MLD
Brooke Jagneaux**

**If you have any comments, complaints, contributions, or questions, please contact the editor, Jennifer Bordelon, K5NMT.
Or be subjected to my choice of articles and dry wit.**

Amateur Radio Quiz: Ham Horizons

10/06/2012

By H. Ward Silver, N0AX

Part 97.1 points out five bases and purposes of the Amateur Radio Service. The third principle -- encouragement and improvement of the Amateur Service through rules which provide for advancing skills in both the communication and technical phases of the art -- has been a hallmark of the Amateur Radio Service from the beginning. This quiz lists a few of those pioneers and their achievements -- feathers in every ham's hat.

1) What amateur-invented AM mode is often heard around 14.230 MHz?

- a. Fast-scan TV
- b. Wide-band FM
- c. Slow-scan TV
- d. Working split

2) Amateurs are credited with the first documented observations of which unusual phenomenon?

- a. Whistlers
- b. Growlers
- c. Long-delayed echoes
- d. Sprites and jets

3) Who was the first ham to transmit from space via Amateur Radio?

- a. Dave Garroway
- b. Owen Garriott
- c. Gary Owens
- d. Garrett Phillips

4) What type of preamplifier, invented by hams, does not include a transistor, tube or other active amplifying device?

- a. parametric
- b. super cooled
- c. negative-feedback
- d. servo

5) Relegated to these in the early days of radio, hams found them to be prime radio real estate.

- a. Very Low Frequencies
- b. Sub-bands
- c. Quiet zones
- d. Short waves

6) VHF enthusiasts discovered and documented what unusual propagation mode?

- a. Transequatorial skip
- b. D-layer absorption
- c. Tropospheric propagation
- d. Continuous wave

7) Grote Reber (ex-W9GFZ) pioneered what scientific discipline?

- a. Kirilian photography
- b. Telekinesis
- c. Radio astronomy
- d. Quantum mechanics

8) What communication mode pioneered by amateurs has been revolutionized by a Nobel laureate ham's software?

- a. Semaphore
- b. Long-path
- c. Chordal hops
- d. Moonbounce

9) Hams created what worldwide network to distribute e-mail via Amateur Radio?

- a. EMTOR
- b. FEC
- c. WINLINK
- d. FELD-HELL

10) Bob Dennison, W0DX, led the "Gone Waki" team in the first example of what popular activity?

- a. Field Day
- b. Transatlantic DX QSOs
- c. DXCC
- d. DXpeditions

Bonus Question: Which amateur-invented protocol lies at the heart of many commercial location tracking systems?

✓ **Check the February issue of RF News for the answers.**



Fun Facts about January

January's gem is garnet which represents constancy.

The zodiac signs for January are Capricorn (December 22 - January 19) and Aquarius (January 20 - February 18).

"Common Sense" by Thomas Paine was published on January 10, 1776.

On January 10, 1920, the League of Nations was established.

National Blood Donor Month

National Braille Literacy Month

National Hobby Month

National Soup Month

National Staying Healthy Month

On January 8, 1798, Amendment 11 to Constitution was proclaimed which modified the Supreme Court's power.

On January 4, 1896, Utah became the 45th state.

On January 6, 1912, New Mexico became the 47th state.

January 8 - Elvis Presley's birthday

January 11 - National Human Trafficking Awareness Day in the United States

Martin Luther King, Jr. Day in the United States - Third Monday

On January 2, 1788, Georgia ratified the Constitution.

On January 1, 1863, the Emancipation Proclamation was issued by Abraham Lincoln.

(Source: Famous Birthdays.com)

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If you would like to
be an Elmer, please contact
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