



R F News

June 15, 2016

From The President

Summer's here and BRARC has a number of upcoming events. Details can be found elsewhere in this issue of RF News.

Be sure to join the club's visit to the LIGO facility in Livingston Parish on June 18th. Our tour begins at noon but we need to arrive no later than 11:45 AM. Directions can be found in this issue of RF News. We can "talk in" on 146.52 MHz but please no transmitting in the vicinity of LIGO.

Field Day is, as always, the last full weekend of June (25th and 26th) and will again be held at the BREC Observatory on Highland Road. Setup will take place Saturday morning. On air activities begin at 1:00 PM Saturday and continue until 1:00 PM Sunday. Field Day has something for everyone regardless of experience level. Come out and enjoy the fun with fellow club members!

The June meeting will be at 7:00 PM on June 28 at the Main EBRP Library on Goodwood. We will have reports on Field Day and on the Dayton and Dallas hamfests.

Also at the June meeting, Brett (KG5IQU) will discuss ARRL National Parks on the Air and detail how club members can participate in club activations during the remainder of 2016. I greatly appreciate all the work Brett has put into this fine activity and hope to join in an upcoming activation. Come and learn how you too can take part.

73, Dick N5KIP

Upcoming Events Calendar

6/18/2016-LIGO facility tour in Livingston, La.
See info on next page.

6/25-6/26/2016 Field Day 1:00pm Sat to 1pm Sun
BREC Highland Road Observatory

6/28/2016-June 2016 club meeting at the Goodwood Library. Time: 6:30PM

Program-Field Day wrap up (AD5VC)

NPOTA Recruiting (KG5IQU)

Dayton Hamvention and Dallas Ham-Com Reports

7/2/2016-Independence Day aboard the U.S.S Kidd

Baton Rouge Amateur Radio Club

PO Box 4004, Baton Rouge, LA 70821
Web: www.brarc.org

President	Dick Burroughs, N5KIP
Vice President	Jon Reise, WA9JBR
Secretary	Todd Huovinen, KB5TMD
Treasurer	Ken Shutt, W5KQ
Directors	Vernon Morris, AA5O Brook Samuel, N5DGK Daniel Smith, N5KHM Steve Irving, WA5FKF Dave Thomas, K5CGX Brett Hebert, KG5IQU Robin Hudson, KK5RH

Repeaters: 146.790 - and 444.400 +
(PL tone 107.2)

Nets: BRARC Club Net - Sunday 8:30 PM
146.790 (PL tone 107.
Ten Meter Net - Monday 7:30 PM
28.450MHz USB

BRARC Tours LIGO June 18

Join the club tour of the LIGO (Laser Interferometer Gravitational- Wave Observatory) in Livingston Parish on June 18. Family members are welcome. Our tour begins at noon, prior to public tours. Please arrive by 11:45 am. Feel free to bring a picnic lunch if you wish to eat on the grounds following the tour. The observatory entrance is about 3.5 miles north of Hwy 190 on Hwy 63. It is in a remote area and be aware that GPS can give faulty directions. Directions from I-12 are as follows:

- Exit I-12 at exit 22 (Livingston) to Hwy 63
- Travel north on Hwy 63 about 2 miles until it dead ends at Florida Blvd (Hwy 190)
- Turn left (West) on Florida Blvd (Hwy 190) about 1/4 mile to Hwy 63
- Turn right onto Hwy 63. You will immediately cross railroad tracks.
- Go north on Hwy 63 about 3 ½ miles to LIGO Lane (look for LIGO sign on left)
- If you reach Rte 442 or see the fire tower, you have gone too far.
- Turn left (west) on LIGO Lane and proceed about 1 1/2 miles to the LIGO facility guard shack.
- Coordinates: 30°33'46.42"N 90°46'27.27"W
- You can find a Google map of the route at
 - <https://www.ligo.caltech.edu/LA/page/Directions-for-public>

Please monitor 146.52 simplex while in route to assist anyone needing directions, however, avoid transmitting in the vicinity of the facility.

<https://www.ligo.caltech.edu/LA>

http://www.lsu.edu/mediacenter/news/2016/02/11physastro_ligo2016.php

Late News!!- I have been informed by our contact at the LIGO facility that they are in the process of announcing the detection of a second gravitational wave!!

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 the club secretary, Todd (KB5TMD).

BRARC Elmers

Dick Burroughs, N5KIP
Buddy Brown, N5BUD
Keith Davis, KE5LVT

If you need assistance, please contact one of above.
If you would like to be an Elmer, please contact the
club secretary Todd, KB5TMD.

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

VE Questions

June 2016

Tech

T6B02 (C)

What electronic component allows current to flow in only one direction?

- A. Resistor
- B. Fuse
- C. Diode
- D. Driven Element

General

G5A01 (C)

What is impedance?

- A. The electric charge stored by a capacitor
- B. The inverse of resistance
- C. The opposition to the flow of current in an AC circuit
- D. The force of repulsion between two similar electric fields

Extra

E4A01 (C)

How does a spectrum analyzer differ from an oscilloscope?

- A. A spectrum analyzer measures ionospheric reflection; an oscilloscope displays electrical signals
- B. A spectrum analyzer displays the peak amplitude of signals; an oscilloscope displays the average amplitude of signals
- C. A spectrum analyzer displays signals in the frequency domain; an oscilloscope displays signals in the time domain
- D. A spectrum analyzer displays radio frequencies; an oscilloscope displays audio frequencies

Amateur Radio License Classes

Editor's Note: Please see Buddy (N5BUD) if you are interested in teaching a class.

Ham Radio, also known as Amateur Radio, is a popular hobby and a service which licensed participants operate communications equipment, with a deep appreciation of the radio art. Now you can join this hobby of 700,000 U.S. Ham Radio operators in a 12-week course (1-night per week) conducted by the Baton Rouge Amateur Radio Club (BRARC). Morse code is no longer a requirement for the FCC license, but still very popular. Several other modern communications modes including voice, data, and television are used today. Satellites, the internet, and radios are all part of the hobby now. Join the fabulous, fun hobby of Amateur Radio by registering for a class today.

Technician Class License

Level I Course:

This is the entry-level course designed for anyone with an interest in communicating, learning operating procedures, and new technology. No pre-requisites are required. The course covers operating and communicating with hams, licensing regulations, radio safety, and the very basic fundamentals of radio and electronics. The course concludes with the 35-question multiple-choice FCC exam. Experienced Amateur Radio Class instructors conduct the classes and the testing.

April 14, 2016

Thursday evenings, through June 30.

Thursdays, 6pm – 8pm

Baton Rouge Main Library
7711 Goodwood Blvd
Baton Rouge, LA 70806
Second Floor

There is no cost for the class, but it is recommended you obtain the class text, *Technician Class 2014-2018* by Gordon West, WB6NOA. It can be obtained from BRARC (contacts below) or at Amazon.com.

No preregistration required. For more information, contact:

Contact:

- Buddy Brown, N5BUD 225.573.2111
- Jon Reise, WA9JBR 225.388.5776



Items for Sale

Wayne Matherne (N5YFC) has the following item for sale:

Ten Tec Jupiter with Ten Tec Mic

And Power Cable. \$600

Wayne N5YFC

(225) 667-4721

BRARC EQUIPMENT AVAILABLE FOR LOAN

ITEM DESCRIPTION	MFG	Model #	SERIAL #	LOCATION	AVAILABILITY
Antenna Analyzer	MFJ	259		K5DFD	Yes
Bandpass Filter 10m	W3NQN			K5DFD	Yes
Bandpass Filter 15m	W3NQN			K5DFD	Yes
Bandpass Filter 20m	W3NQN			K5DFD	Yes
Bandpass Filter 40m	W3NQN			K5DFD	Yes
Bandpass Filter 80m	W3NQN			K5DFD	Yes
Crimping Tool	West Mountain Radio	Power Crimp		K5DFD	Yes
FM Deviation Meter	Lampkin		185	K5DFD	Yes
Power Supply (13.8V @ 20A)	Icom	PS-55	5194	K5DFD	Yes
Kit Building Tools				K5DFD	Yes
Power Supply (12 V/A)	ER	PS-104		K5DFD	Yes
Wattmeter	Bird	43	127199	K5DFD	Yes
5w Slug				K5DFD	Yes
50w Slug				K5DFD	Yes
100w Slug				K5DFD	Yes
250w Slug				K5DFD	Yes
1000w Slug				K5DFD	Yes
2500w Slug				K5DFD	Yes

David Ducote K5DFD (225) 603-0801 (cell)

Upcoming Area Hamfests:

7/16/2016-Slidell EOC Hamfest

<http://www.arri.org/hamfests/slidell-eoc-hamfest-3>

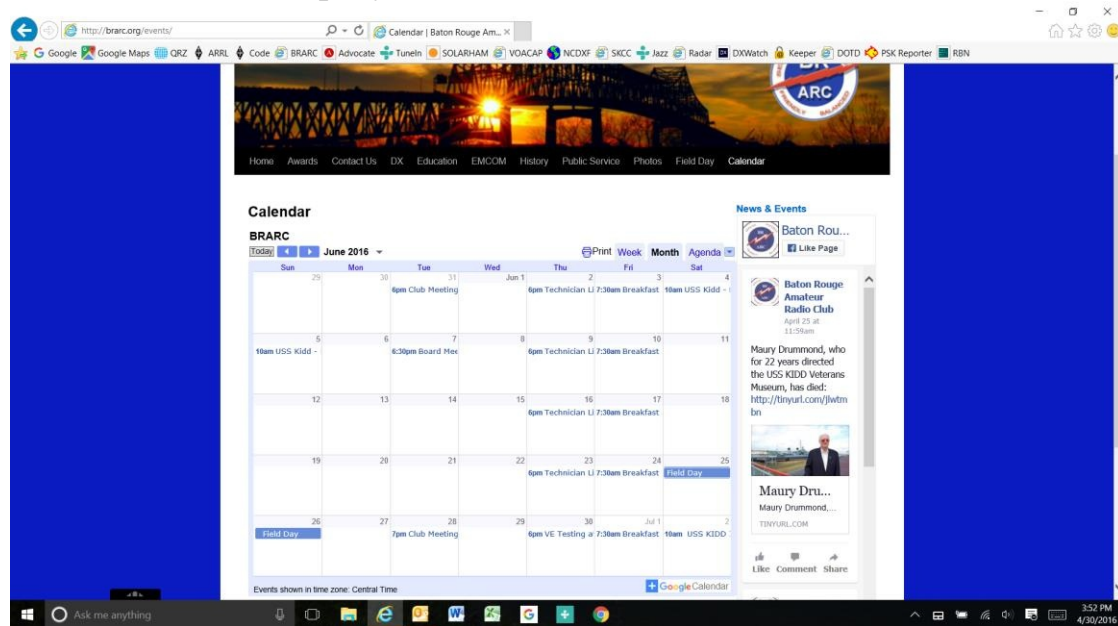
8/13/2016-Shreveport Amateur Radio Association (SARA) Hamfest

<http://shreveporthamfest.com/>

Editor's Note: *I attended this hamfest last year and it was a lot of fun. It looks to be even bigger this year!!-Todd KB5TMD*

Keep Up to Date on BRARC Events

Now use our new BRARC Google calendar to find out about upcoming club events. Click *Calendar* on the drop down menu on our home page, www.brarc.org. We are posting events through 2016 as they become available. If you have an event you want posted, contact our webmaster John Krupsky, WA5MLF .



The screenshot displays the BRARC website with a Google Calendar integrated. The calendar is for June 2016 and shows the following events:

Date	Event
June 1	6pm Club Meeting
June 2	6pm Technician U.I. 7:30am Breakfast
June 3	10am USS Kidd
June 4	6pm Technician U.I. 7:30am Breakfast
June 5	10am USS Kidd
June 6	6:30pm Board Meeting
June 7	6pm Technician U.I. 7:30am Breakfast
June 8	6pm Technician U.I. 7:30am Breakfast
June 9	6pm Technician U.I. 7:30am Breakfast
June 10	6pm Technician U.I. 7:30am Breakfast
June 11	6pm Technician U.I. 7:30am Breakfast
June 12	6pm Technician U.I. 7:30am Breakfast
June 13	6pm Technician U.I. 7:30am Breakfast
June 14	6pm Technician U.I. 7:30am Breakfast
June 15	6pm Technician U.I. 7:30am Breakfast
June 16	6pm Technician U.I. 7:30am Breakfast
June 17	6pm Technician U.I. 7:30am Breakfast
June 18	6pm Technician U.I. 7:30am Breakfast
June 19	6pm Technician U.I. 7:30am Breakfast
June 20	6pm Technician U.I. 7:30am Breakfast
June 21	6pm Technician U.I. 7:30am Breakfast
June 22	6pm Technician U.I. 7:30am Breakfast
June 23	6pm Technician U.I. 7:30am Breakfast
June 24	6pm Technician U.I. 7:30am Breakfast
June 25	Field Day
June 26	Field Day
June 27	7pm Club Meeting
June 28	7pm Club Meeting
June 29	6pm VE Testing at 7:30am Breakfast
June 30	10am USS KID

The sidebar on the right contains a 'News & Events' section with a post titled 'Baton Rouge Amateur Radio Club' and a photo of Maury Drummond. The post mentions that Maury Drummond, who for 22 years directed the USS Kidd Veterans Museum, has died. The URL <http://tinyurl.com/jwfm bn> is provided.

International Astronomy Day

On May 14, members of the club participated in International Astronomy Day at Highland Road Park Observatory. Brett KG5IQU, Dick N5KIP, Jon WA9JBR and Dana AD5VC manned a booth where students and their parents could send their name in Morse code. This activity was quite popular, with some youngsters returning two or three times. In addition, we had a HF station where one student assisted with a contact.. Brett helped a handful of youngsters engage in a conversation with Synomen KG5IRS, on the 146.79 repeater.

Dana Browne AD5VC

Here are a couple of pictures from International Astronomy Day:



BRARC Annual “Eating Meeting”



Jon, WA9JBR talks about upcoming events

The annual BRARC Meet & Eat meeting took place on May 31st at the Highland Road Park Observatory (HRPO). There was plenty of food and drink to go around for the hungry members and their guests. Jon, WA9JBR reminded everybody of the Museum Ship Weekend (June 4 & 5) event and the LIGO tour (June 18). He announced the possible running of an Extra Class License course to be offered at a future date. Dana, AD5VC discussed plans for Field Day 2016, to be held on June 25 & 26 at HRPO. Signup sheets were passed around for equipment and duties for the weekend event.



- I John WA5MLF, Brett KG5IQU, and Dave KF5CGX relaxing with good food and company

Field Day 2016
6/25-6/26
1:00pm to 1:00pm



The Baton Rouge Amateur Radio Club will be participating in the annual ARRL Field Day operating event. Dana (AD5VC) is now accepting signups for operators/loggers for 1-hour slots. Three stations running on battery power will consist of 1-CW, 1-Phone, and 1-Mixed mode transceivers and will be available for 24-hour operation. A 4th GOTA (Get On The Air) station will be available for new operators and the public. Chris, KE5PQO announced that BREC will be advertising the event on their website and newsletter. Chris expects a possible 100 visitors for the event. Setup will begin at 8 am on Saturday with the operation commencing at 1 pm Saturday and lasting 24-hours. Contact Dana Browne, AD5VC to sign up or just come by and join the fun of Field Day 2016.”

More information on the annual ARRL Field Day can be found here:

www.arrl.org/field-day

Here is a pretty good video on Field Day from the Albert Lea Amateur Radio Club in Albert Lea, Minnesota:

<https://www.youtube.com/watch?v=RwuebgA511A>

USS KIDD, W5KID Independence Day Observance Saturday, 2 July 2016



***Celebrate the 4th with members of
Baton Rouge Amateur Radio Club,
operating from the USS KIDD.***

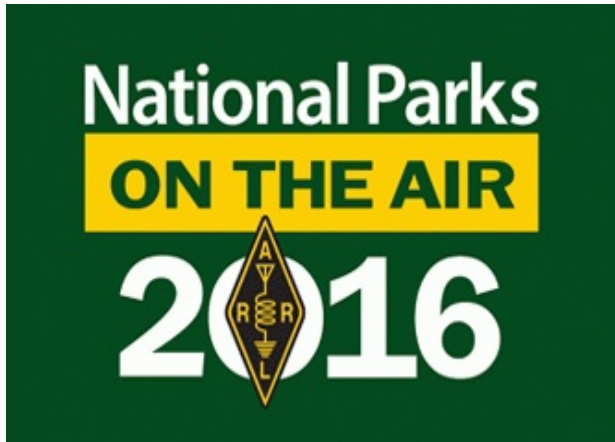


Operators Needed:

Operators of any class license and loggers are needed for this Special Event. Technicians are encouraged to participate and gain first-hand experience operating the phone bands with a skilled operator as your mentor. General and Extra Class operators can experience the excitement of working pile ups, which often occur when W5KID is on the air. Reserve your one-hour operating/logging time slot now.



W5GIX Activates Acadian Cultural Center



W5GIX will again be activating several of the Jean Lafitte sites (there are 6 in total) on August 25 – 28 for the National Park Service Founders Day Centennial. Operators are needed. Contact Brett Hebert to sign up or to get the details.



Museum Ships Weekend June 4-5 Operating From the USS KIDD

Two days operating from the USS KIDD. Sometimes things just can't get any better. The event was sponsored by The Battleship New Jersey Amateur Radio Station and it attracted a total of 111 ships operating amateur radios which were located around the world. Thirteen countries including Russia, Portugal, Finland, Australia, etc. were represented. The USS Orleck out of Lake Charles, LA was even participating.

We opened up the USS KIDD for operation at 10am and ran it to 4pm according to schedule. We had a full complement of operators and loggers and everything went smoothly. By the time we started experience some pileups the weather and 20m turned on us and we had to wade through that until the afternoon when things picked up measurable. I think with the open door and the sign we were able to attract several more visitors than I remembered in the past. Mostly we worked 20m and were happy with our contacts.

On June 5 our second day of operating off the USS KIDD the only bit of excitement, not radio related, was the setting off the alarm by the KIDD personnel, but that is another story. We were a little short on operators but happily Chad, K5EBR, filled in for the last 4 hours. We also had Jennifer, a potential new "ham" and member, operate with us for the two days. The weather, the visitors, and band conditions all cooperated to make it a very nice day for all.

The first Sunday of the month is admission free day and we experienced quite a few families and had at least one cub scout den from Crowley, LA visit us. We also had a visit from Gary Pearcey, WB4RLS, from Atlanta, GA who was here on vacation. We made over 400 contacts during the two days from 42 states and 5 Canadian provinces. Most of our operation was on 20m.

Our next operation on the USS KIDD will be on July 2, 2016 in observance of July 4, Independence Day. Please contact Buddy Brown, N5BUD, or respond to the volunteer email to participate.

Pictures from this event are on page(s) 14-15



Jennifer Bordelon, logger and Jon Reise, WA9JBR, operator on June 4



A cub scout den from Crowley, LA with Ken Shutt, W5KQ and Mike Nolan, KD5MLD operating



Visitors with Ken Shutt, W5KQ operating and Mike Nolan, KD5MLD as logger

Editors Note:

The Builder's Circle by Jim Giammanco (N5IB) will return in next month's RF News.

73,

Todd-KB5TMD