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# ***BOSQUE BEACON***

*Newsletter of the Bosque Amateur Radio  
Club of New Mexico*  
***bosquearc.com***



JULY 2024

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EDITOR, JERRY ACETO K6LIE **CLUB MEETING JULY 6, 10 AM**

Email: [jaaceto@gmail.com](mailto:jaaceto@gmail.com)

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## **President's Corner - Brian Listvan KJ5CNC**

Greetings from KJ5CNC.

Our club repeater is operational at it's new location. See pages 5 and 6 for the latest info. Also, please let Jerry, K6LIE know of any coverage reports when using the repeater. My thanks go out to Jerry Aceto, K6LIE, Sean O'Mara, A15IZ, Bill Kent, N5UJC and Andy Connor, KI5VJJ for installing and getting the repeater operational.

I'd like to remind everyone of our breakfast every Thursday morning at the Flying Star in Corrales. We checked to make sure the Flying Star is open on the 4th. It is and we will be there as usual. It is very early, around 7:30 in the morning, so it should not disrupt any of your plans for the 4th, so hope to see you there!

As mentioned at the last meeting, we are planning to put together one or two portable stations for use in the field during club activities, contests, etc. Please send your suggestions for equipment (transceivers, antennas, power supplies, etc) to me. This will be discussed with the board on how much to spend and what gear to buy. I will inform the membership of any decision on this matter.

If anyone has a suggestion on activities we as a club could participate in, please contact our Activities Committee . We have dropped the "LLC" designation of the club name and are now technically a social club. So let's come up with some activities! It is summer and we can start with activities such as picnics, BBQ's etc. We can have our "new portable station" to incorporate ham radio and have a station on the air while having an outdoor lunch! Ham radio, food and great company. What could be a better outing?

Everyone enjoy the 4th. Stay safe and see you at Saturday's meeting. Best 73!  
Brian KJ5CNC

# Bosque Amateur Radio Club



**N5BRC**  
bosquearc.com



## Club Net

**The Bosque ARC** hosts a **Club Net** *Every Saturday Morning at 10:00 am local time except for the first Saturday of the month when we meet in person for our club meeting.*

146.900 (- 600 kHz) pl 67.0

442.450 (+ 5000 kHz) pl 67

449.550 (- 5000 kHz) pl 71.9

## Club Meetings

- \* 1st Saturday of the Month, 10 AM
- \* Always a program that deals with Ham Radio
- \* APD NW Area Command on Ellison, across from Cibola HS

## Activities

- \* School Visitations to Promote S.T.E.M.
- \* Field Day Activations
- \* Gatherings for Breakfast,
  - \* Thursday mornings at 7 AM,
  - \* Flying Star, 10700 Corrales Rd

**WELCOME NEW MEMBERS!**

Whether you are a new ham, a seasoned old timer, or just thinking about becoming a ham, I would like to invite you to our meetings to take in our presentations, join us for breakfast on Thursday mornings, or participate in any of our activities. If you like what you see and hear, we would love to have you join our club. If you have any questions regarding ham radio, we can answer them.

Hope to see you at our meetings!  
73.

Jerry Aceto K6LIE  
President, Bosque ARC

**VE TESTING**

If you would like to upgrade your license, or take your first amateur radio test, Mathias Gibbens, K0WBG, holds licensing exams after our regular club meeting on the first Saturday of the month. Testing starts around 12:30. If you would like to test or know anyone else that would like to test, contact Mathias at [AbqRRVET@gmail.com](mailto:AbqRRVET@gmail.com) to sign up.

**CLUB MEETING ADDRESS**

APD NW Command Center, 10401  
Cibola Loop NW, Albuquerque,  
NM 87114 (across the street from  
Cibola High school)

**CLUB ADDRESS**

Bosque ARC  
2524 Baldy Loop NE  
Rio Rancho, NM 87144

**CLUB REPEATER — 444.200 (+) 67 Hz PL**

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## **JULY PROGRAM - MOBILING IN NEW MEXICO AND OTHER STATE QSO PARTIES**

**JAMES DUFFEY— KK6MC**

I, along with AA5PR, John Klem, operated mobile as KK6MC/m in the 2024 NM QSO Party. This was my 11th NM QSO Party. We operated from my Subaru Outback using a mobile antenna that I have optimized for mobile QSO Party operation. We activated seven counties, both operating in motion and stopping at two county lines. We finished second in the multi-op mobile category. Conditions were ho-hum, but we managed several Europeans and Japanese stations. Operation was primarily CW. The few forays into the phone segment were frustrating due to all the activity associated with several QSO parties on at the same time. Contest phone can be frustrating from a mobile even in the best of times.

The current mobiles setup is the third iteration since I began mobiling in state QSO parties. I will briefly discuss the setup we used for mobiling, consisting of a Yeasu FTDX101D, a 100AH LiFePO battery, which lasted the whole contest with 30% capacity left at the end of the contest, a MacBook Pro running Skookum Logger, and the antenna, which I have optimized for mobile QSO QSO Party work. The antenna is resonant on 40M, 20M, and 15M. It consists of a 12 ft mast top loaded with 40M and 20M Hustler resonators matched at the base with a shunt inductor. Instantaneous QSY is possible, which maximizes available time for QSOs.

I have also operated mobile in QSO Parties in AZ and the 7th Call area, Oklahoma, Kansas, and Iowa. I will briefly discuss the differing experiences each of those offer and how planning differs from one to another.

In addition to being fun, state QSO parties offer a low-key contest experience that is a good entry into contesting.

James Duffey KK6MC Ceder Crest, NM < KK6MC@amsat.org >

**CLUB REPEATER****444.2 (+) 67 Hz PL**

Jerry Aceto K6LIE

The club repeater is now up and running at it's new location in northwest Rio Rancho at an elevation of 5,720 feet (about 720 feet above the Rio Grand Valley). It has a good view of the valley from the roof where the antenna is located.

The coverage is better then the last location with a pretty clear shot of the city. Since it is a low level system, it does exhibit picket fencing when mobile in many areas, but the important thing is that it is quite readable throughout the area for the most part. One station from Los Lunas was working Gerry, N2GJ and was coming in very good. I did some drive testing down Alameda to Coors, to Paseo east to I-25. Headed south on I-25 to I-40 west and got off at 6th street. Headed south on 6th to Central. Continued down Central past the Kimo Theater, past the train station. Turned around and headed back down Central to Rio Grande Blvd and back to Alameda. During that run, was working Craig, KC6UQT who said I was perfectly readable for the whole trip. Also worked a mobile station going into the base off Gibson with Q5 signals. Glen, N6HEW reports full quieting at is qth during my test. This drive test, especially through the heart of downtown, was not possible from the previous site. So we do have a vast improvement. I would ask all of you to continue sending coverage reports as you use the system, both mobile and from your homes.



**View of the valley/city from the antenna location. (continued on page 6)**

**CLUB REPEATER**  
**444.2 (+) 67 Hz PL**  
Jerry Aceto K6LIE

Continued from page 5



That's Sean O'Mara installing the antenna with Andy Connor helping. The center picture shows the method Bill Kent came up with to protect the roof. Four cinder blocks, one on each end of the 4 foot 2 x 4's completes the assembly. The right hand picture shows the completed antenna installation.

That is a commercial 4 bay folded dipole array providing about 6 db gain.

The repeater is a Motorola CDR500 commercial repeater running about 20 watts.

I am planning to make improvements to the system. I want to check receiver sensitivity and try to see if there is any desense going on and correct it, if necessary. I also want to replace the flat-pack duplexer for a true cavity band pass, band reject duplexer, which will reduce losses and improve receiver performance. If I can find an outboard duplexer, I can add an external power amp and bring the power up to 40 or so watts, which will also improve performance. But for now, it is up and running and I hope it is usable for the membership and ham community to use. I will update the membership as changes and tests are being made.

**ARRL LoTH IS BACK UP!! (YAY)****This info from the ARRL:****ARRL Logbook of The World Returns to Service**

07/03/2024

ARRL [Logbook of The World® \(LoTW®\)](#) returned to service July 1, 2024. It had been offline as part of a [systems service disruption](#).

As work progressed on the network, some users encountered LoTW opening briefly during which some 6600 logs were uploaded. The logs were not processed until this weekend as we tested that the interfaces to LoTW were functioning properly.

We are taking steps to help manage what will likely be a huge influx of logs. We are requesting that if you have large uploads, perhaps from contests or from a DXpedition, please wait a week or two before uploading to give LoTW a chance to catch up. We have also implemented a process to reject logs with excessive duplicates. Please do not upload your entire log to “ensure” your contacts are in LoTW as they will be rejected.

Despite this request, we have seen several recent DXpeditions upload large log files and many amateurs have uploaded logs with excessive duplicates. This negatively impacts the backlog time.

Lastly, please do not call ARRL Headquarters to report issues you are having with LoTW. You can contact support at [LoTW-help@arrl.org](mailto:LoTW-help@arrl.org).

Through the end of the year, you may experience planned times when LoTW will be unavailable. We have been using this time to evaluate operational and infrastructure improvements we would like to make to LoTW. Those times will be announced.

We appreciate your patience as we worked through the challenges keeping LoTW from returning to service. We know the importance of LoTW to our members, and to the tens of thousands of LoTW users who are not ARRL members. [LoTW](#), just behind [QST](#), is our second most popular ARRL benefit.

## CLUB NET

Our club net has been doing very well and I want to thank all of you that participate each week. Gerry Jurrens, N2GJ has been net control for most of the time. I have been asking him because he runs several nets in the area and is quite good at it. But we really should give others the opportunity to be net control. So anyone interested, please contact Gerry. His contact info can be found on the last page of this newsletter.

Remember, club net every Saturday morning at 10 am (except the 1st Saturday for our meeting) on the Upper Rio Repeater system.

## Wes Jones NM5WJ (SK)

Gerry Jurrens, N2GJ, sadly reports the passing of Dr Wes Jones PhD. He passed away June 23, 2024.

Wes came to our Thursday breakfast a couple of times. He brought his service dog with him, as you may recall. He was not a member of the BARC but was welcomed and we enjoyed visiting with him.

The Amateur Radio community will miss Wes. Please keep his wife, Mary in your thoughts.

**CLUB SHIRTS**

These beautiful club shirts come in ladies and men's styles and sizes. We proudly wear our shirts whenever we are doing an activity that involves the public. It is a great way of promoting the club, not to mention that they look great! They are available in polo and button down long sleeve.

Contact Turbo Threads at 505 999-1234 or on line at <https://turbothreads.com> .

BTW...That snazzy club logo on the shirt and on our club banner was designed by Art Nichols, KI5GOL, one of our founding members.



If you wish to use PayPal to pay club dues, simply go to [bosquearc.com](http://bosquearc.com) and click on the Membership and Dues tab. You will find all the info needed. When you fill out the form on line, hit Submit at the bottom of the page. This will take you to a prorated table. Since our dues are paid by the year starting in April, you will only pay a partial amount based on the month you join. Club dues are only \$20 per year.

**Here are email addresses of our officers should you need to contact any of them:**

**President - Brian Listvan KJ5CNC - zzwooffee1949@yahoo.com**

**Vice President - Sean O'Mara AI5IZ - sean.g.omarasr@gmail.com**

**Secretary - Gerry Jurrens N2GJ - n2gj@arri.net**

**Treasurer - Bob Witter W5IV - rwitter@hotmail.com**

