



## September 10, 2019 Meeting Minutes of the Bishop Amateur Radio Club

BARC's officers for 2019 are:

Bill Chezum	(W6WWY)	- President
Jeff Tong	(AA7GK)	- Vice President
Terry Fenske	(K6UN)	- Treasurer
Noam Shendar	(W6RT)	- Secretary

Meeting called to order by President Bill Chezum (W6WWY) at 19:02. The meeting was held at the Salvation Army in Bishop, CA.

Number in attendance: 9. They were, alphabetical call sign order: AA7GK Jeff, AD6NR John, K6SEC Steve, K6UN Terry, KA6HII, KD6TLE Gordon, KG6JZJ Dave, KJ6KO Greg, N6ZA Adrian, NW6C Jon, W6BI Orv, W6RT Noam, W6SRV Wayne, W6WWY Bill, WA6IQO Len, and two visitors: Dave and Keikoa.

### Minutes

#### Special Guest Presentation: Mesh Networking

Orv (W6BI) came up from Simi Valley to introduce the club to Ham Networking. His presentation is attached. Here are the key points:

- The ham networking group is AREDN ([www.arednmesh.org](http://www.arednmesh.org)).
- AREDN uses standard WiFi access points (WAPs) with customer firmware. Together they comprise a "hamnet" on ham frequencies.
- Available bands include:
  - 900 MHz (too many other uses)
  - 2.4 GHz (only one channel is available)
  - 3 GHz (requires European equipment)
  - 5 GHz (US equipment with many channels - most common).
- A hamnet can carry many services: VoIP, chat, video, email, webcams, etc.
- A hilltop WAP is 600 mW, requires line of sight (no trees), and at minimum consists of radios and sector antennas (e.g., with a 90° or 120° beam).
- A home WAP is typically an integrated unit with a radio and a small dish.

### **Financial Report:**

Terry (K6UN) reported that we had neither expenses nor income since the last meeting. Our balance remains at \$3,706.

### **Future Meeting Location:**

Terry (K6UN) reported that he had a very busy month and could not publish the pro/con document. Per a motion passed previously, we cannot hold a vote until this analysis is shared with the membership. Terry said he would again do his best to share the pros and cons prior to the next club meeting.

### **Silver Peak Repeater Site Maintenance:**

John (AD6NR) pointed out that the weather is getting colder quickly, and time is running out to repaint the Silver Peak repeater site. Gordon (KD6TLE) said he would discuss the matter with John after the meeting.

### **Repeater Link Issues:**

The Mazourka Peak repeater died a few days prior to the meeting. Jon (NW6C) found a loose connection on the positive side of the charging circuit that caused arcing and eventually destroyed the integrity of the connection. Jon removed the controller and connected the back-up controller and solar panels, which are now charging the batteries - at a much-reduced capacity. *[Post meeting note: Bill (W6WWY) has repaired the connection and we hope to reinstall the controller in the next few days.]*

### **Items from the Floor:**

Bev (N6BEV) was unable to attend and passed word via Bill (W6WWY) that she would like to pass the baton as volunteer examiner (VE) coordinator. Terry (K6UN) agreed to assume this role, effectively immediately.

Meeting adjourned at 20:25.

Noam Shendar (W6RT)  
Secretary  
Bishop Amateur Radio Club, Inc. (BARC)