



Bankhead Amateur Radio Club, Inc.

Established in 1982 • In Memory of Norris Howard, Sr., SK.



Meeting Minutes: September 10, 2024

Bruce Kelso K4BDK (Pres)	X	Sonny Blankenship N4JDB (VP)	V	David Hicks N4DPH (Sec-Tres)	X
Shawn Alred N2RSA		Joshua Hatton W4ZZK		Frances Spiller N4KIB	
Billy Alexander KM4KTD	V	David Holman AC7DS	X	Brent Robeson WB3KYJ	
Mark Andrews N4FH		Brenda Holman N3QVK		Bud Rogers K9NOZ	x
Lile Bickley K4NA	X	Steven Hoff N9FC	X	Bruce Shelton KD4KRH	
Darrel Black KD4BLK		John Howard KI4WLY		Wesley Slaton, W4CFI	
Jeff Blair N4CYZ	X	Warren Kelsoe KN4MR		Clayton Senyo AI4B	
Ken Bradley KQ4RNK		Betty Kelso KQ4IOX		Erica Senyo N4DEX	
Tom Braunshausen KN4TKB		David Linderman KQ4EA		Tim Terrell N4TMT	x
David Breeden KN4UVV		David Lowery KE4DIS	X	Blake Terry AB4BT	v
Martin Carraway K04NEI	X	Tommy Lovelady AE4TL		Tim Vinson KD4BOU	
Steve Flory W9KOP		Gerald McCrory, AG4SY		Todd Winsor KS4T	
Rex Free KN4CI		Vince Mercado KM6LFD		Kenneth Woody KD4ESP	
Steve Fry W4WPT		Ray Miller KQ4GAB		Marcella Woody KD4MKX	
Mike Fromhold AJ4SH		Jerome (Hoss)Pace AI4BI		Tom Wright W4TFW	x
Tom Grubbs, N4QYN		Jack Spiller KJ4FF			
		Hugh Stutts, N4HMS			

Meeting called to order at 7:00 PM by Bruce Kelso- Prayer by David Pledge by David Hicks

The club is starting our 42th year. Total in attendance . Visitors- Ryder Bayne

Minutes: David Hicks read the August minutes. Motion & Second. Motion Carried.

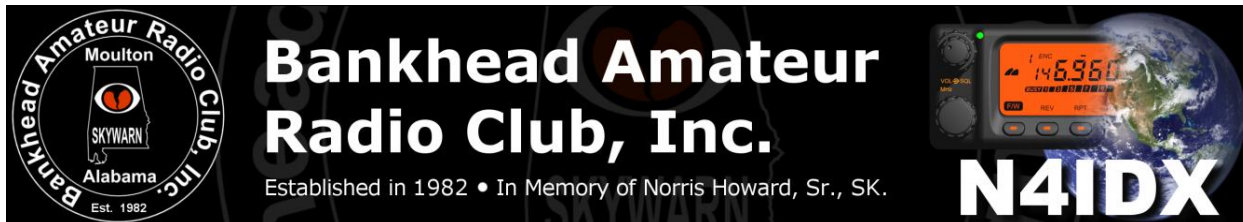
Treasurer Report:

July Balance		\$2091.00
Deposits	Dues	80.00
Expenses		
Current Balance		\$2171.00

Motion & Second to accept treasurer report this month. Motion & Second. Motion Carried

Old Business:

- Margaret Free continues to struggle and needs our prayers.
- Jim Martin's wife fell and broke her pelvis and needs our prayers.
- The SuperSite antennas are complete. The 96 site still needs antennas mounted.
- Participation at the EMA during Skywarn weather events would be appreciated.
- The Forest Service will come to inspect the sites (the 30 year, 0 cost lease expired for the 96 sites- TVA, JWEMC, BARC). No further news as of 8/12/24.
- David Hicks spoke with Kell Whitlow about climbing the 96 tower to install the remaining two antennas. Kell is moving and busy with work, but thought maybe sometime in mid-October he could climb.
- Antennas needed for 96 site- 6m receive, 900 mhz transmit, Ubiquity, & Meshtastic.



Program:

- Steven Hoff N9FC gave a presentation about Meshtastic. Mesh is a network (900 MHz band) using low power LoRa transmitters that boost the signal on to other nodes. 254km is the current long distance record. You send a message from an app on your phone and the nearest node tries 3 times to forward. This doesn't require internet access. Encryption follows with the message, so intermediate nodes can read the encrypted information. Some have GPS tracking. Some have sensors (telemetry sends on the default channel). Channels are like chat rooms.
- Three types of devices (ESP32- wifi and Bluetooth), RP2040 (not ready), nRF52(low power & Bluetooth).
- Each device has a long name and a short name. You could even send a message from Meshtastic to someone listening on APRS.
- The self supporting Meshtastic device in the photo below would be about \$150 and would run for years. This system could be used for local text messaging if power was down. T-deck has devices that could be stand alone (built in keyboard & screen).
- Sources: N9FC, Amazon, Rokland, Lilygo, Seeed studio (look for 915MHZ devices)



New Business:

- EMA is having FMEA training in May and Brown's Ferry Exercise Nov 20. Radiation training will be soon, Bruce will notify us via BARC email.
- W5YI will assist us to get KS4B assigned to the Bankhead DX Group when it comes due on 4/10/25. David Hicks will send the form and \$80 fee in time to get ready.
- Route 66 Special Event is going now. BARC will coordinate on the 27 repeater.
- Workday at the 96 site for October 19th. David Hicks to get with Kell Whitlow on date and price.

Next Meeting:

Next meeting Tuesday, October 8, 2024 @ 7:00pm at Lawrence County EMA.

Adjourn 8:15 pm.