



Meeting Minutes: September 12, 2023

Members & Guests Present:

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

Meeting called to order at PM by Bruce Kelso- Prayer by Todd Winsor- Pledge by Todd Winsor

The club is starting our 41th year. Total in attendance 18. Visitors- Daniel Thompson KN4GJL

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

Treasurer Report: August Balance \$2192.44. Reimbursement to Rex Free for TM-241A \$100.40. Current (9/12/23) balance \$2091.04. Motion & Second to accept treasurer report this month. Motion Carried

Old Business:

Update on prayer requests.

- Bobby Hyatt is now in a nursing home at Riverside in Decatur and needs our prayers.
- Sonny's mom is in the nursing home.
- Margaret Free continues to struggle and needs our prayers.
- Mark will check on getting BARC set up as an affiliated club.
- Motion & Second, unanimous to form club and get Anita to allow us to get KS4B's call sign.
- New amp to help bump the 27 repeater from 25 w to 100w will be installed in a few weeks.
- Will be changing 775 repeater out. Need a work day at the site.
- Rex Purchased a radio for compatibility with the voter. Motion & Second & unanimous to reimburse Rex for \$100.40.
- The 96 repeater lost power when the site went on generator. We need to diagnose.

Program:

Mark Andrews presented on the topic of Software Defined Radios. First fully SDR was an IC-7100. A radio detects EM energy and presents it in a form we can perceive (sound, vision, print, etc.).



Some units like a Nano2 or SDR Play convert the spectrum into signals that a computer can display on the screen. Older radios were built from discrete components to achieve transmission and receiving, but has limitations.

In 1995, SDR replaces many of the discrete components and special integrated circuits with programmable components that may be adjusted through software:

1. Digital VFO
2. Digital Signal Processor- filters, etc.
3. Microprocessor- manages the inputs and outputs of the radio.

An example by www.hfsignals.com is the sBitx 40w radio (\$390 delivered to the USA).

Other modern radios (IC-7300, Xiegu G90, etc.) are SDR's inside the box.
Great benefits, but much more complex and therefore less repairable.

New Business:

- Rex Reported on the amp upgrade to the 27 repeater.
- Report by Tom Wright on Super Site. Dylan Blankenship did the climbing work. Hardline for 900mHz mounted. Next work day Sept 30th. Bruce will see if Dylan will be available to climb.
- One hardline was an unusual size, so we will have to find another piece of ½" hardline. Sonny is checking.
- Amp added to 27 Repeater by TVA.
- Ink & Thread will do shirts and hats at prices depending on the quantity (about \$24 polo & \$12 hat). Betty will look at t-shirts as well. Let Bruce know what you want and we can get prices.
- Several have been playing with DMR recently. They may set up a hotspot with a BARC Talk Group.

Next Meeting:

Martin will be presenting on the topic of DMR at the October meeting.

Next meeting Tuesday, October 10, 2023 @ 7:00pm at Lawrence County EMA office

Adjourn 8:01 pm.



Bankhead Amateur Radio Club, Inc.

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

