

January 25, 2016

Kansas City DX Club Meeting Minutes



Better Homes and Gardens Real Estate - Kansas City - Overland Park, KS

The January 25, 2016 meeting of the Kansas City DX Club was called to order by President **Jeff Blaine, AC0C**, at 6:33 pm (0033 January 26, 2016 UTC).

Agenda -

- Introductions/Greeting
- Club contests results
- DX and Contesting News
- Ham history – **Tim, W0KAN**,
- Short Features:
 - **Dave, W7FB** – Human Body Resonance
 - **Mike, W0MB**, Mobile Antenna Shootout
- Presentation – **Charlie, K0THN**, Similarities in Wave Behavior video by Bell Labs and Dr. John Shive in 1959.

Introductions -

As customary, we all introduced ourselves to the group.

Guests introduced were Kevin Schavee, **N0CWR**, Greg Best, **N9GB**, Bruce Barksdale, **W0CBB**, and Doug Roberts, **NE0A**.

News –

- **Jeff, AC0C**, thanked **Martha, W0ERI**, for her work in watching the front door of the meeting area each month. He also thanked secretary **Charlie, K0THN**, for his work as club secretary.
- Club dues for 2016 of \$20 are now due. Pay to **Mike, AB0X**. You can also pay via PAYPAL at the KCDX Club website.

- Tom, **N0AG**, reported the 2015 club contest results. Winners are shown below. More complete information will probably be in an upcoming newsletter or on the website. Congratulations to the winners. A new **N0SS** contest spreadsheet will be available shortly courtesy of **Don, W0XE**.

Contest	Unlimited	Low Power	QRP	Wires
W0AR	K3PA	AB0X	AB0X	K0THN
N0SS	K3PA	K0VBU	W7FB	--

- February contesting – Triathlon, RTTY WPX, ARRL DX CW and others
- DXing – VP8SGI and others
- **Drew, K3PA**, may be a contestant in the 2017 WRTC contest. Good luck, Drew.

Ham History

Tim Lucas, W0KAN (formerly N0TQB), presented his ham history. Like many of us, he began as a Short Wave Listener using a commercial radio. He progressed through a Radio Shack kit, then a Realistic DX-150, DX-440, then an ICOM all mode VHF transceiver after being licensed. He became more active in 2009 and upgraded to General and Extra class.

Tim currently enjoys working the Fred Fish Memorial Award whose goal is to work Maidenhead grid squares on 6 meters. He now operates with a Yaesu FT-DX5000.

Dave Fisher, W7FB from an **IEEE Characterizing the Human Body as a Monopole Antenna**

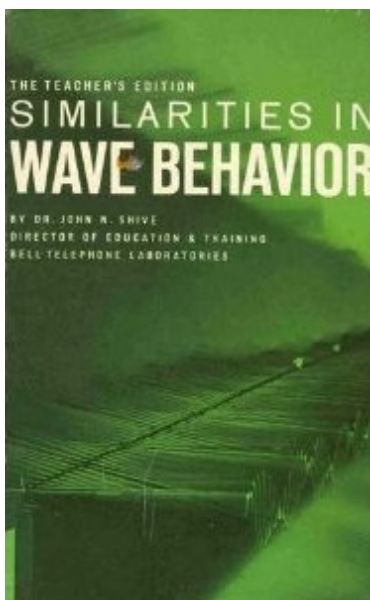
[Kibret, B.](#) ; Coll. of Eng. & Sci., Victoria Univ., Footscray, VIC, Australia ; [Teshome, A.K.](#) ; [Lai, D.T.H.](#)

Dave introduced the article, then went on to show his own calculations of the human body as an antenna. He showed several graphs of resonant frequency and impedance as a function of height and weight and compared to a vertical copper wire. The impedance was generally around 40 ohms and not too different from the copper wire. The article stated that the efficiency of the human body is about 70% relative to the copper wire.

Mike Bogard, W0MB presented several slides of an area mobile antenna shootout in 2015 where the performance of various mobile antenna configurations were compared against a common detector setup. The most interesting and ugliest antenna was an aluminum ladder mounted on the top of a pickup in the form of a “V”. It didn’t work very well.

Jeff, AC0C, presented a humorous DX Code of Conduct Addendum consisting of seven items.

Presentation – Similarities in Wave Behavior by Bell Labs Dr. John Shive video shown by **Charlie Hett – KØTHN**



Charlie introduced the video by describing how he learned about it by reading reprints of the Carl And Jerry short story reprints from *Popular Electronics* magazine. This particular book/video was described in the story printed in December, 1961 which is in volume 4 of the 5 volume set from Lulu.

The video consists of Dr. Shive describing his mechanical wave machine. The main section of the machine looks like a 70 equal length element antenna mounted on a three foot boom. With this, he demonstrated impedance, resonance, reflections with terminated and un-terminated ends and standing wave ratio. He demonstrated impedance matching concepts with a tapered transformer section. Shive indicated that this was a similar principle to a tapered micro-wave waveguide.

The book describes how to make the machine as well as other similarities to waves in light, sound, water and wind. Charlie was able to borrow a copy of the book through the Johnson County Interlibrary Loan program.

Note: the Carl and Jerry reprints are printed in five volumes and are available at LULU online publishing - <https://www.lulu.com/shop/search.ep?keyWords=carl+and+jerry&type=>.

The video can be seen online at various places including You Tube:

<https://www.youtube.com/watch?v=DovunOxIY1k>

Other -

Forty two members and guests signed the attendance roster.

The meeting was adjourned at approximately 8:30pm.

The February 2016 club meeting will be **February 29, 2016 at 6:30 pm CST**. (Yes this is a leap-year)

Charles Hett, KØTHN, KCDX Club Secretary