

The Framingham Circuit

Newsletter of the Framingham Amateur Radio Association

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and more...

November 2

Andy Boughton, KC1DMM, "Software Defined Radios: Basic Design."

President's Message

This month's speaker will be another member of the FARA family, Andy Boughton, KC1DMM, who will be discussing "Software Defined Radios: Basic Design." The talk will discuss the basic design of SDRs, focusing on Direct Conversion receivers and transmitters. It will describe two digital implementations including the one used in most early generation SDRs and Direct Down/Up Conversion which is used in current SDRs, and offer some speculations about future SDRs. Andy will briefly review several SDRs including the Flex 6000 family and the Anan 8000. He will also attempt remote operation of a Flex 6500. Andy is a retired computer hardware engineer. He received a BS from Carnegie Mellon and a SM and a PhD from MIT. After graduation he was on the MIT research staff for 12 years. He led the development of the packet switched interconnects for the Monsoon and StarT multiprocessors. He worked for Mercury Computer Systems for two years and contributed to the early development of the RapidIO interconnect. He worked for Sun/Oracle for 16 years. He did system work and then microprocessor design verification. He worked on all the Sparc processor chips developed between 2011 and 2016.

Last month, Ken Poole, KB1TYK, discussed his experiences as a Speed Morse Interceptor (for the AIA) in Germany during the early 1960s. It was very interesting.

Coming up Real Soon Now are the ARRL Sweepstakes. This year the dates are: CW - 1st weekend in November (4-6), Phone - 3rd weekend in November (18-20). See <http://www.arrl.org/sweepstakes> for details. If you have the shack space and would like to help make this a club activity, contact one of us on the board.

Next month we will be having a FARA night out instead of our usual meeting. It will be the 9th of December. Further details for this will be passed along as soon as they are available.

The year is winding down, so it's time to start thinking of 2018. In January, we'll have our customary "Show and Tell/Show and Ask" along with a DXpedition video, courtesy of Dave Hoaglin, K1HT; this year we'll be reintroducing the QLF contest. The FARA Flea Market will be on the 8th of April, once again at Keefe Tech.

FARA Horizons

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| Nov 2: | FARA Meeting ... Andy Boughton, KC1DMM, "Software Defined Radios: Basic Design." |
| Nov 8: | VE Session |
| Dec 9: | FARA Night Out / Holiday Gathering |
| Jan 4: | Show and Tell, QLF, and Dxpediton. David Hoaglin, K1HT will show and discuss a video of a Expedition. Always a good time! |
| Feb 1: | FARA Meeting ... Bob De Mattia, K1IW, on Repeater Coordination |
| March 1: | FARA Meeting ... Dan Pedtke, KW2T, on Impedence Matching |
| April 5: | FARA Meeting ... Larry Banks, W1DYJ, topic to be announced. |
| April 8: | FARA Flea Market @ Keefe Tech |
| May 3: | PIZZA PARTY |
| June 7: | FARA Meeting ... OPEN, Field Day discussions |

Club Information 2017

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Meeting: Club meetings are normally held on the 1st Thursday of each month at 7:30PM in the Framingham Police Station

Club Nets: FARA Net: Sunday, 7:30PM, 147.75/147.15 - social/chat, ARES preparedness

Club Station: FARA is actively looking for a new club station.

Club Web Site: fara.org

Social Media: [facebook.com/faraw1fy](https://www.facebook.com/faraw1fy)  twitter.com/fara_w1fy 

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