

Saturday January 19th 2019

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	Room 201	Room 202	Room 203
9:00	<p>Mark J Culross - KD5RXT "Need a box for your latest project ?? Design it & 3D print it yourself !!" We will survey a few of the 3D CAD packages which are available for free download & use. Following that, we will use ViaCAD to make our way through the process of designing a box for your latest project, which can ultimately be brought into existence using a 3D printer.</p>	<p>Jimmy L. Stanford – Emergency Services Manager The Salvation Army - Texas Division</p>	<p>AMSAT Keith Pugh W5IU</p>
10:00	<p>Mark J Culross-KD5RXT "Need a PC board ? Create it yourself !!" Using KiCAD & FreeRouting, we will make our way through the complete process of creating a printed circuit board (PCB), from design to production. We will cover installing & configuring KiCAD 5.x & FreeRouting, capturing the project schematic, annotating the schematic, assigning component values, performing the electrical rules check, assigning component footprints, generating the PCB netlist, auto-routing the PCB layout, and finally, sending the PCB off for production.</p>	<p>Mickey Lee VP Enterprise Solutions Early Alert Technologies. Demonstration of the Tornado Alert Unit</p>	<p>Bob Stricklin-N5BRG North Texas Microwave Society Operation and Activity on the Microwave bands.</p>
11:00	<p>Mark J Culross-KD5RXT Creating a standalone APRS tracker with real-time maps using the TNCpi on a Raspberry Pi + Xastir We will walk our way thru the process of building and configuring the Raspberry Pi, the Raspberry Pi 7" display, and the TNCpi, along with installing and configuring the Xastir software package, using free digital maps to produce a standalone APRS tracker with real-time street maps, all with no internet connectivity required.</p>	<p>Scott Trickey "Proper Cable Termination" Common mistakes made when terminating coax cables and what happens to the cables RF/electrical performance. Examples are double crimping, melting the dielectric when soldering and improper spacing of the components.</p>	<p>W5GM-Jay Urish ARRL NTX Updates and Round Table "Meet and Great the New ARRL North Texas Section manager Candidates" Steven Lott Smith KG5VK and Ken Mitchell KD2KW</p>
12:00	LUNCH	LUNCH	LUNCH
13:00	<p>Bob Ballard-KG5SQJ "Semi-Portable" Multi-Band Fan Dipole This describes how I designed and built a homebrew "semi-portable" SRI type multi-band fan dipole antenna (80/40/20/15/10/6 Meters)</p>	<p>Scott Trickey "Grounding / Lightning Protection"</p>	<p>Terry Paddock - K5DXD "Raspberry Pi and Ham Radio" An overview of Raspberry Pi single-board computers with demonstrations of ham radio-related projects and applications.</p>
14:00	<p>Bob Ballard-KG5SQJ Practical BaoFeng HT Radio Programming 101 This class teaches participants how to manually program Simplex and Duplex memory channels into BaoFeng HT radios using only the radio's keypad.</p>	<p>David Houser-KG5RFD Using Allstar as a large linked autonomous emergency communication network with portability into existing RF communication systems.</p>	<p>Dave Martin-K5YFO Amateur Radio and Emergency Communications Disconnects</p>