

Newport County Radio Club

Home of the W1SYE and W1AAD Repeater

Allison Phillips Gives Presentation on Prototyping

Posted on **January 13, 2015** by **Admin Admin**

Allison Phillips, a professional engineer, gave a walk through of the design, simulation, and production of simple circuits using free tools, during last night's NCRC meeting.

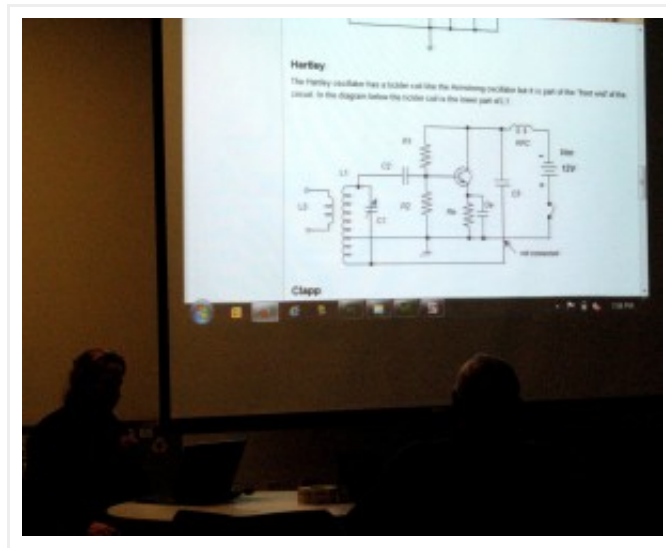


— Allison Phillips Presenting to NCRC Members

Allison used LT-Spice, a free circuit simulation tool, available from Linear Technology at: <http://www.linear.com/designtools/software/>

For her PCB Prototypes, she used another free tool that is well integrated with the [DigiKey](#) parts catalog, called [ExpressPCB](#). This CAD software is used to capture a schematic and

layout a PCB which is then produced in a few days by ExpressPCB (a set of [3 identical small boards](#) costs \$51, for example)



— Allison reviews Googled oscillator designs

Coincidentally, the February 2015 QST had an article on rapid prototyping: [“Make Homebrewed Look Factory Built”](#). That article also described using ExpressPCB, as well as other companies to produce metal [enclosures](#) and attractive [front-panels](#). (Reprinted with permission, February 2015 QST; copyright ARRL)

(Thanks to Dave Brown, KC1AAA, for the photographs)

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