2014 09 WA8TJA – P C Boards

Description

For the September 2014 meeting program SLAARC member Gary Morgan, WA8TJA, presented the process and resources he uses to design printed-circuit boards and have them manufactured for his electronics projects. Bob, WD8AQX, also brought a project he did some years ago in which he converted a CB radio for 10m use.

How_To_Make_Printed_Circuit_Boards (PDF)

Printed_Circuit_Board_Resources (Word doc)

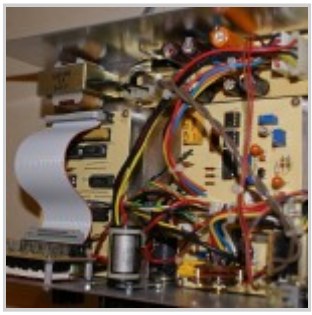
Printed_Circuit_Board_Resources (PDF)

Front panel of Gary's Audio Frequency Generator.

Gary (L – WA8TJA) and Bob (R – WD8AQX) with their PCB projects.

Gary's AFG with the top cover removed.

Bob's CB radio based 10m rig with top cover removed.



A view of the printed circuit boards and other construction inside Gary's AFG.

The front panel of Bob's 10m CB based rig.

Gary's AFG with some of the materials and supplies used to make printed circuit boards.

Gary modified an old flatbed scanner he got from W8RA to make an ultraviolet light exposure table.

Gary (WA8TJA) shows fellow SLAARC members one of his PCB negatives (or positives).

SLAARC members gathered at the Witch's Hat Depot in S. Lyon for the monthly meeting and program.

Mike (W8XH), current SLAARC president, examines a PCB negative (or positive).

Bob (WD8AQX) studies a PCB component layout diagram.

Gary finishes his presentation and hands the floor to Bob.

Examples of copper plated PCB stock and exposed/processed PCBs.

Some of the chemistry used to make printed circuit boards at home.

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The front panel template used to locate controls and labels on Gary’s AFG.