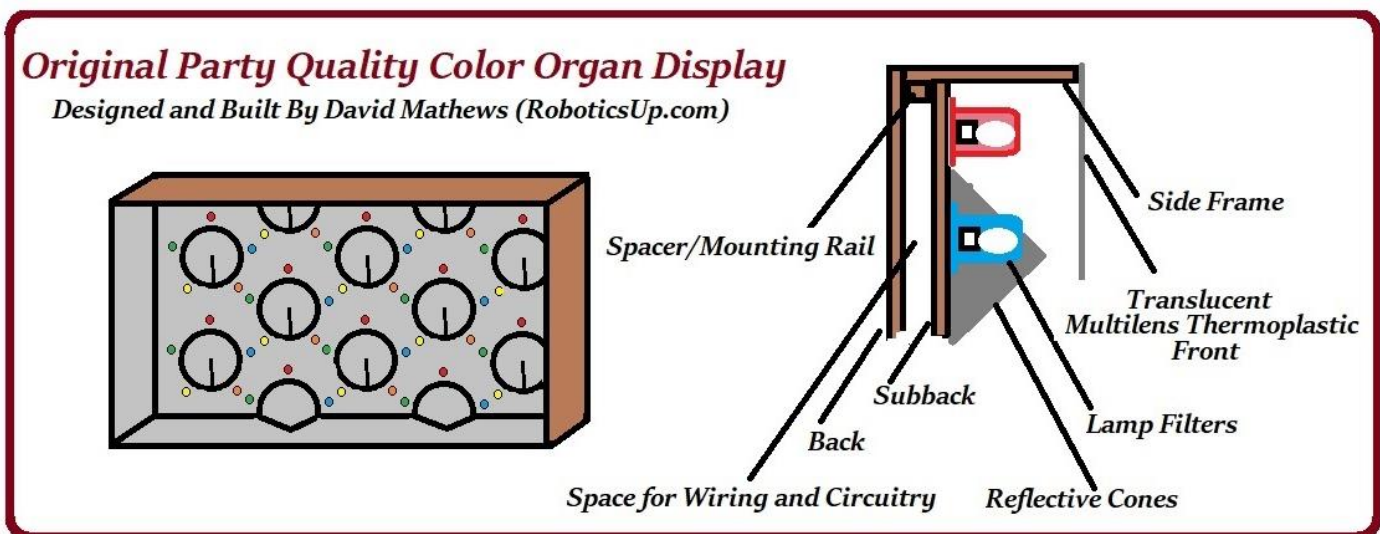


This E-Book is all about a display that I built back in the 60's. An article in "Popular Electronics" magazine was published about the Musette Color Organ. The circuit divided the audible frequency spectrum into five parts. Each part drove a different colored flood light. Using music as an input, the colors danced to the frequencies of the sound. The design was a solid stste version of a previously developed vacuum tube unit.

<https://www.tinaja.com/glib/musclrog.pdf>

I could envision how cool that would look and built one. Rather than using flood lights, I designed and built a display of my own. I used three watt incondecent bulbs. To supply the five different colors, I made filter caps out of theratrical spotlight gels. The unique original part of the design was the use of reflective cones to mix the colors. The screen covering the front was a multi lens thermoplastic to defuse the light.The over all effect was dynamic. The drawing shows the layout I used.



Since then there has been numerous color organ circuit designs, even computer programs developed. But, the magic is in the ingenuity of the display.

I would love to see someone take the initiative to make a five channel microcontroller based color organ with opto isolators, with a display using LEDs and the cone concept.

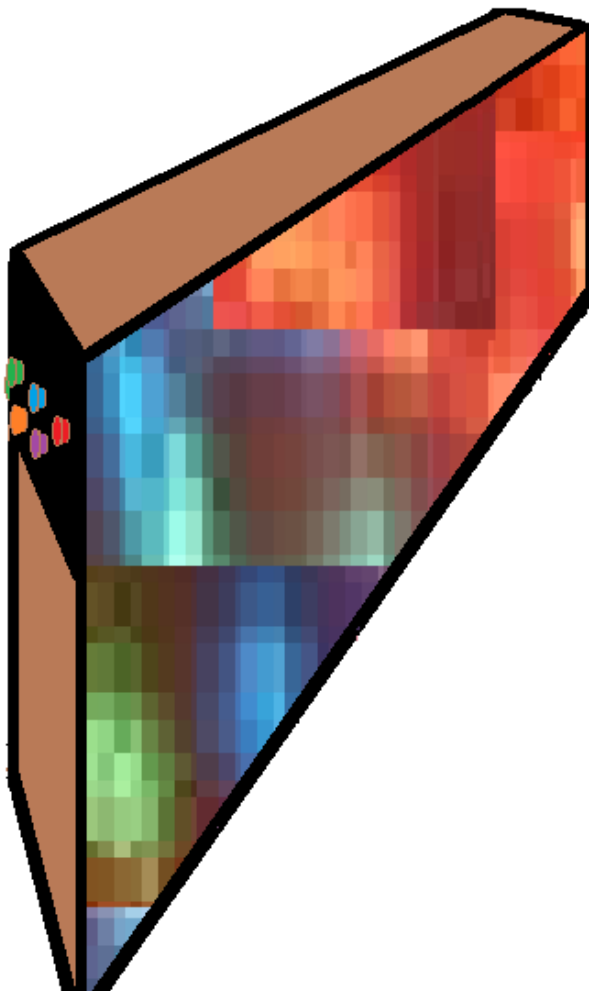
Just to provide some additional project information, here are a few Color Organ circuit links:

<http://www.redcircuits.com/Page131.htm>

<https://electronics.stackexchange.com/questions/216714/schematic-check-for-color-organ>

https://www.vice.com/en_uk/article/3dp43j/rig-your-own-light-up-led-organ-instructables-how-to

<https://electronics.stackexchange.com/questions/17762/is-there-anything-better-that-a-ssr-when-working-with-audio-signals>



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