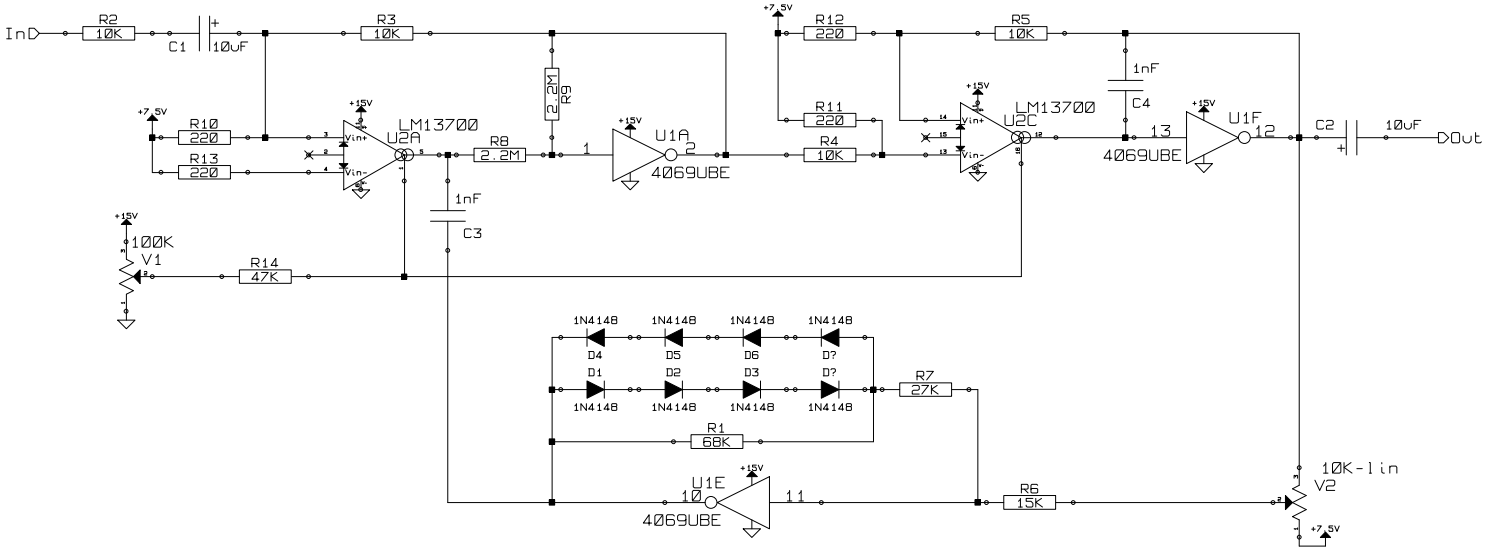

■■■Notes:I have tested the circuit above.■■■

- I can't say if this sounds anything like an MS20, probably not, but it does sound pretty good.
- Signal greater than about +-2V overdrive the filter.
- The strings of diodes could be exchanged with LEDs.
- +7.5V came from an opamp. I tried using another inverter but it did not work as well. Try with some bypass caps. (I had none)
- Current source is linear. Try the expo source from the original.
- Filter self-oscillates easily, but does not produce a pure sinusoid.
- VC-resonance would be nice, but needs another OTA. I may try with cutoff dependent resonance, to allow super high res at low cutoff, without the whistle sound at high cutoff.

CMOSed Version of René Schmitz MS-20 Filter		
Ryan Williams		
Title:		
Size: A4	Date: 19 nov 2005	Rev:
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