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Subject: Phase shifters and Phlangers

Posted by [Wayne Parham](#) on Thu, 08 Jul 2004 21:49:58 GMT

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I used to play keyboards in a little band, seems like a million years ago. I had a Korg synthesizer at one time, and a Mini-Moog on another. Even had a Moog Liberation for a while. But that's the extent of my experience with musical instruments. I always wondered what exactly was in phase shifters and phlangers, but never bothered to open one up or look at a schematic to see. It isn't just a device that shifts phase of the entire audio band by a fixed amount, 'cause that wouldn't be audible. It sounds like it shifts a certain frequency range and then varies the shifted amount in relation to the rest of the band so that the interaction becomes audible. Undoubtedly you guys know the answer. Just out of curiosity, what kinds of circuits are used in those things?

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