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Subject: omg....

Posted by [PakProtector](#) on Sat, 27 Oct 2007 23:00:32 GMT

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are y'all just not building anything these days? Lots of fun over here, tearin' into a few nice output transformers, building some more amps....)cheers,Douglas

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Subject: What'cha have in mind?

Posted by [Wayne Parham](#) on Sun, 28 Oct 2007 14:19:22 GMT

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I'd like to do a nice phonp stage build. Seems like it would be a fun group build. Some of the guys were talking about a switcher. Easy to do, but still worthwhile. Could do them together too. I always stay pretty busy, and I have a list of things in front of me. I used to be able to get through new projects much faster, but these days, I have a lot of priorities. I just finished with the Prosound Shootout, which is a pretty good amount of work to do, actually. Before long, it will be time to get ready for the Lone Star Audiofest. In between times, I have two basshorn projects I'm working on, one new and the other an improved version of an existing model. What have you been up to these days?

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Subject: Phono pre

Posted by [PakProtector](#) on Sun, 28 Oct 2007 15:17:20 GMT

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hey-Hey!!!,I have been working out one for a while now. To do it with a single PS, I'd have to work out some details with Heyboer for winding one with a few electrostatic shields( to isolate the heater winding and primary from the HV). It would be easier with multiple dual-bay transformers( two chassis, yes? )It is fairly simple, gain stage, pasive RIAA gain. First stage will use a pair of 6BK7's in parallel( -3dB in noise from a single ), and terminate with a single 6BK7 stage with a DN3545/2540 mu-follower CCS. Schematics soon I'd say....)cheers,Douglas

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Subject: Re: Phono pre

Posted by [Wayne Parham](#) on Sun, 28 Oct 2007 19:37:50 GMT

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I'm definitely interested. I'd like to build a top-notch phono stage. On a related note, I wonder how much variance there is in adherence to the RIAA curve in the equalization circuits of popular

phono stages. There has to be some, because I've heard systems that were bass heavy and others that were bass shy. Some could be attributed to cartridge loading, I suppose, but I think a lot of it was from deviation from the RIAA curve.

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Subject: Re: Phono pre

Posted by [PakProtector](#) on Sun, 28 Oct 2007 20:37:51 GMT

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hey-Hey!!!,It would be neat to measure a few that's for sure. The overall accuracy depends on how the basic R-C filter is executed. What makes up the R for one. Is it mostly plate resistance, or is it done some other way...:)cheers,Douglas

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Subject: Re: Phono pre

Posted by [SteveBrown](#) on Tue, 30 Oct 2007 19:56:30 GMT

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Here's one I've been interested in building for some time. Had the pleasure of hearing it at Gary's - really outstanding phono stage. Sounds at least a bit similar to your thoughts, Douglas. I really like the passive equilization - always a better way to go in my opinion.

Phono Stage

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Subject: Re: Phono pre

Posted by [PakProtector](#) on Tue, 30 Oct 2007 20:32:56 GMT

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hey-Hey!!!,There is a single addition, a MC stage. I am not sure I like the idea of step-up transformers. Probably do a nice FET-input OP amp configured for ~20:1 gain. Easy access to C and R loading. Those little pF polystyrene caps are pretty sweet. The two chassis design will let me build a low voltage supply and run it through the same umbilical. Black AMP connectors will do...:)cheers,Douglas

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Subject: Re: Phono pre

Posted by [SteveBrown](#) on Wed, 31 Oct 2007 12:05:27 GMT

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Douglas, a MC stage sounds good, nice to make it variable gain to accomodate the low and mid MC outputs. I like the idea of making the loading variable too. The thought of a two chassis implementation is nice, but I always worry about more complex grounding issues. Still, plenty of folks doing it and having good results. Are you thinking dual mono PS or no? Regulated?

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Subject: Re: Phono pre

Posted by [PakProtector](#) on Thu, 01 Nov 2007 18:53:49 GMT

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hey-Hey!!!,I think I won't regulate. Choke input above critical current will be fine I think. I'll also need a smaller bi-polar supply for the MC-stage's OP amp. Two chassis with power on one and signal on the other. DC heaters amounting to about an amp and a half of 6.3 will be needed. Again, LC filter with good diodes. For B+, a pair of damper diodes should make a dent in the overkill quota...:)I will start with something quite like the Bottlehead seduction, but with a relaxed PS instead of run to 99% of redline, and tubes chosen for something other than minimum filament draw.cheers,Douglas

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Subject: Re: omg....

Posted by [Drummer](#) on Sat, 22 May 2010 02:57:54 GMT

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That sounds like a lot of fun, I am interested. I enjoy building different things. Always wanted to build some amps for my system.

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Subject: Re: omg....

Posted by [Soundbuzz](#) on Wed, 04 Aug 2010 07:52:37 GMT

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Wow I would definitely be interested in building an amp too! I just browsed through a couple of youtube 'how to' videos and they fascinated me and I find myself gaining interest! I have a lot to learn though (that's part of the reason why I'm here). Seriously, some of the terms that are used here leaves me dumbfounded. Thank god for google I can immediately look the terms up.

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Subject: Re: omg....

Posted by [Taylor-Sue](#) on Fri, 06 Aug 2010 14:49:55 GMT

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I am gonna have to bookmark this section and thread as I am sure my husband would be happy to have new pals to build things with. Let me know if you get something going.

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Subject: Re: omg....

Posted by [Silver](#) on Mon, 12 Mar 2018 11:03:15 GMT

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Sometimes the best way to build something, like an amp, is to tear apart another amp just like the one you want to build. Reverse engineering, I believe it's called.

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