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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

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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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