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Subject: to blazes with simple

Posted by [PakProtector](#) on Mon, 20 Dec 2004 18:35:48 GMT

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Hey-Hey!!!,On the all valve: The PS should remain shunt regulated,and it will probably be fairly easy. A single pentode configured as a current regulator to feed the VR tubes is about as simple as the MOSFET version.The Amplifier active loads are not so easy with a pentode. The g2 circuit in parallel with the plate is the issue( as I see it now ). Sooooo, how about a cascoded pair of triodes? Series current path and high AC impedance, and still able to retain the mu-follower's signal output. It would probably be best to use a cascoded MOSFET CCS to generate the  $E_{c2}$ , but that would be the extent of it, and that is two 6N35 and three resistors...I have heard another all valve, regulated linestage and it was really good. this should be able to match or better its performance with a simple signal path like my hybrid.I have another in the planning stage to use the 10Y as the amplifier valve, and this PS and load idea is how it will get done. It will have a few more valves sticking up through the top, but that's OK with me.You heard it here first!Of course I'd keep the 816-rectified, L-C unregulated supply...regards,Douglas!

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