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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 6N3545N3 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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