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Subject: here's a crazy idea....

Posted by [MQracing](#) on Fri, 16 Sep 2005 01:16:23 GMT

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why doesn't the group build forum at ART look at and evaluate the Williamson design which is in the public domain. By memory, it might prove to be suitable for the apps that the group has shown some interest in. Advantages are... it's in the public domain... so no hassles from anyone. Since the design is in the public domain it is easily portable... meaning that company A could make it for you this time.... and if their price went up or they did not want to make it again... you have the design in your hip pocket and can seek out an alternate builder. And it could become an ART exclusive... not to make money... but to get folks interested in the board and participating. tell me what you think...and... before someone asks... I think this design was published in one of the early (1948-49) radio electronics magazine or craftsman or something like that... also... the book published by Audio Amateur on DTN williamson has the design in it if I recall right. And I even vaguely remember seeing it on the web somewhere....a good investigator is needed.Mike

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Subject: Re: here's a crazy idea....

Posted by [Wayne Parham](#) on Fri, 16 Sep 2005 07:07:24 GMT

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I think that a Williamson group build is an excellent idea. Seems like we kicked it around once, but went down a (couple) different roads instead. Might look at it again soon.

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Subject: Re: here's a crazy idea....

Posted by [MQracing](#) on Fri, 16 Sep 2005 09:53:09 GMT

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Hi Wayne:what I was suggesting was that perhaps the forum might want to look at the Williamson transformer design that is in the public domain. To my recollection it is a 10K pp primary with all of the appropriate secondary taps. This design could be built with taps at differing points on the primary to make it useful for the Merlin amp. And it could, as perhaps you suggest, also be useful in a "true" Williamson style amp. And a Triode PP amp. And the uses are manifold.what I was trying to say is that... since it is a public domain design.... all of the details could be posted without stepping on anyone's toes....with such information freely available.... folks could get together for a group buy or alternately go it alone and get a pair made on their own. the beauty of the proposal (in addition to it being, actually, a pretty decent output trans design) is that now no one has to pirate the property of any other forum member to get a device useful for the implementation of their forum derived amplifier plans. And of course it might then also encourage more circuit design activity as well as, in the public domain, refining the public domain transformer design to yield even better performance.MSL

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Subject: Re: here's a crazy idea....

Posted by [Wayne Parham](#) on Fri, 16 Sep 2005 10:47:12 GMT

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Yeah, Williamson looks interesting. See my other response in the Dungeon called "Design ownership, public domain and who owns what". Also wrote a post called "Trademarks and search engines". This stuff is important to me and I was on a roll.

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Subject: cool, please stay around to help...

Posted by [PakProtector](#) on Fri, 16 Sep 2005 23:37:21 GMT

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you make an excellent researcher, please let us know what you find. Of particular interest would be instructions which are \*NOT\* included in the publications surrounding the construction details for the OPTx. Techniques surrounding the actual winding. It is one thing to say, "lay down \_\_\_-layers of bifilar 19 ga wire in the first layer". It is quite another to explain some of the pitfalls one would encounter whilst actually winding the coil. cheers, Douglas

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