Subject: Wood hf horn.
Posted by Paul Holland on Tue, 11 Apr 2006 09:21:44 GMT
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Are there plans available for wood hf horns?If so, could you send them to me to suit pi 8Cheers,Paul,Aus.

Subject: Re: Wood hf horn.
Posted by Wayne Parham on Tue, 11 Apr 2006 12:33:02 GMT
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We're hoping to have the tweeters ready for production in the next couple of months but no drawing or assembly plans are available. They will only be available as finished ready-to-use tweeter horns.

Subject: Re: Wood hf horn.
Posted by Paul Holland on Wed, 12 Apr 2006 10:32:30 GMT
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Back in mid November 2005 you emailed out wood hf plans to several forum participants who requested them.I am concerned about freight costs to Australia for built up items.Paul.
http://www.audioroundtable.com/PiSpeakers/messages/18288.html

Subject: You've got mail!
Posted by Wayne Parham on Wed, 12 Apr 2006 15:31:27 GMT
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You're right, I do have plans packaged for distribution. I must be getting old, sorry.

Subject: Re: You've got mail!
Posted by dB on Wed, 12 Apr 2006 19:29:31 GMT
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Hi, Never mind Wayne, your posts are the Best (Speaker Posts of the Web). Keep it going. My congratulations for your work, and thanks. Your work is a Work of Art. As I said before, I don't know if I would buy a tweeter horn from you or if I would build one and learn from it. It's a difficult win-win decision. Good luck for your next convention/expo or show at Great Plains Audiofest - May 5, 6 and 7, 2006Tulsa, Oklahoma. It must be great. I have been there for a few Wine Festivals in Maryland.Regards

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Subject: Re: Wood hf horn.
Posted by FredT on Fri, 14 Apr 2006 00:54:51 GMT
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Wayne, how will they differ from the wood tweeter horns you now offer on the Pi speakers web site? Appearance? Price? Performance?

Subject: Re: Wood hf horn.
Posted by Wayne Parham on Fri, 14 Apr 2006 02:30:29 GMT
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Wood horns that I've sold in the past were made by Bill Martinelli. They're a pretty good horn, but the sides are curved and the top and bottom are straight. The expansion is fine but I don't like that profile. The new horns have straight side walls and the top and bottom flares are curved to create the area expansion and to open much wider and reduce diffraction.

Subject: Re: Wood hf horn.
Posted by dB on Fri, 14 Apr 2006 15:38:36 GMT
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Hi,After paying attention (and learning from it) to some of the work done by Wayne (and others) I found a very interesting Patent (#4,469,921) from Kinoshita, 1984, with a "similar" horn design.<<Sectoral horn with side walls linear and opening degree or angle of the horn adjusted by the upper and lower curved walls>>The interest of this is that it explains how a type ""shelf"" frequency response of the horn becomes flat and directivity is improved in the necessary frequency band. With a two angle throat for different frequencies.Nice.
 Horn type loudspeaker - US Patent 4469921

Subject: Re: Another horn.
Posted by dB on Sat, 15 Apr 2006 12:46:36 GMT
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Hi, Wayne (and PiSpeakers Forum)I just found this paper from Peavey. You must have read it already.Is good for learning and also developing diy horns.Best Regards
QUAD-THROAT WAVEGUIDE PEAVEY PAPER(.pdf)

Subject: Re: Another horn.
Posted by Wayne Parham on Sat, 15 Apr 2006 14:39:26 GMT
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Yes, we've discussed this horn a lot over the years. I think its a great way to shape the flare, particularly the driver/throat transition.

Subject: Thanks for the info. (nt)
Posted by Paul Holland on Sun, 16 Apr 2006 00:48:03 GMT
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nt.

Subject: Re: Wood hf horn.
Posted by FredT on Mon, 17 Apr 2006 19:35:05 GMT
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Will you have a pair for us to see at the GPAF?

Subject: Re: Wood hf horn.
Posted by Wayne Parham on Mon, 17 Apr 2006 19:52:25 GMT
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I had planned to do that but I don't think Brad will be ready with them. It is a bit of a

may slip on the GPAF deadline for unveiling the tweeter horns. You'll definitely get a chance to hear them at one of the nearest audio club meetings this summer though.