Subject: heard a new prototype
Posted by hurdy_gurdyman on Sat, 15 Jan 2005 15:02:40 GMT
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It's been an interesting day. Darrel (Ro-Blower on the Decware Forum) brought his new prototype open baffle speakers over today. These are a very retro looking speaker that is definately not your run of the mill speaker. They are actually quite cool looking. Here's some pics.http://pg.photos.yahoo.com/ph/the_hurdy_gurdyman/album?.dir=/e49 1The bass goes somewhat deeper then my own EV open baffles (with my subs off). Theye are down about 4.5 dB at 50Hz. Bass was clean with a natural, uncolored sound, with that certain boxless quality that OB's do so well. The mids were a nice, not overly forward sound that one could listen to all day without listener fatique (we did listen for a good part of the day). The highs were clear and matched the rest of the sound nicely. They had the big soundstage that all OB's seem to have. These speakers are very efficient at about 100dB sensitivity. Drivers used are 15" Eminence Alpha and Pyle bullet tweeter. For those interested, here's a thread on the Decware forum with more details.http://www.decware.com/cgi-bin/yabb/YaBB.cgi?board=General&action=display&num=1105751652All in all, I had a fun day listening to these.Dave
Mini Planers

Subject: Re: heard a new prototype
Posted by Wayne Parham on Sat, 15 Jan 2005 15:26:58 GMT
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Hi Dave,Sounds interesting. Alpha 15's have real high Q, so I'll bet they sound good on those open baffles. I couldn't access the pictures from the link though, so I couldn't see 'em. Yahoo photos was asking me to sign in to view. Maybe you can set them to be public?Wayne

Subject: Re: heard a new prototype
Posted by hurdy_gurdyman on Sat, 15 Jan 2005 15:40:16 GMT
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Wayne,Try this.http://pg.photos.yahoo.com/ph/the_hurdy_gurdyman/album?.dir=e491&.src=ph&store=&prodid=&.done=http%3a//pg.photos.yahoo.com/ph/the_hurdy_gurdyman/my_photosI think I should have signed out before copying the link.Dave
Mini-Planers

Subject: Re: heard a new prototype
Posted by hurdy_gurdyman on Sat, 15 Jan 2005 15:41:24 GMT
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If the link to the Mini Planers didn't work, try this.http://pg.photos.yahoo.com/ph/the_hurdy_gurdyman/album?.dir=e491&.src=ph&store=&prodid=&.done=http%3a//pg.photos.yahoo.com/ph/the_hurdy_gurdyman/my_photos
Mini Planers

Subject: Re: heard a new prototype
Posted by Wayne Parham on Sat, 15 Jan 2005 16:11:47 GMT
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That did it! Wow! Those are super cool looking! What tweeter is that? What crossover did you use?
More photos

Subject: Re: heard a new prototype
Posted by Ro_Blower on Sat, 15 Jan 2005 16:41:31 GMT
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Hey Wayne,Thankyou so very much for the compliments!The tweeter is made by Pyle pro ,I used only the cap. that came with it as the cross from mid to high. Also run an L-pad to help balance the 106 db sen. of the tweeter to the approx. 98 of the Eminence 15"er. Also doped and tweeked the 15 and foam /felt wrapped the rear of the tweeter. Sort of turned this coaxialy mounted tweeter assembly in a pseudo phase plug of sorts.Seems to do the job. This speaker has been designed to serve as an intro level audiophile speaker for budget conscious music lover.I have gone over more construction detaild on th Decware forum.Thanks againDarrel

Subject: Re: heard a new prototype
Posted by hurdy_gurdyman on Sat, 15 Jan 2005 16:43:14 GMT
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Wayne,The tweeter is a Pyle pro bullet tweeter. The builder and designer of these nice OB's is Darrel Hawthorne, a regular over at the Decware Forum. Here's a thread that I started there.http://www.decware.com/cgi-bin/yabb/YaBB.cgi?board=General&action=display&num=1105751652Dave

Subject: Re: heard a new prototype
Posted by Wayne Parham on Sat, 15 Jan 2005 16:50:32 GMT
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Hi Darrel,Sounds really neat! What size capacitor comes with the tweeter?Wayne

Subject: Re: heard a new prototype
Posted by Wayne Parham on Sat, 15 Jan 2005 16:51:56 GMT
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Way cool Dave! I like!

Subject: Re: heard a new prototype
Posted by Ro_Blower on Sat, 15 Jan 2005 17:06:18 GMT
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Hey Wayne.Here is the spec. on that tweeter:Partsexpress #272-115pdbt28 correction* 104 db.senThe assemble is all wrapped up (foam /felt)but if memory serves me it came with 3.3uf cap.I ran thru several tweeters and stoped with this one as it had the least compromises/ most potential in the price range I wanted .Thanks again for the nice words WayneDarrel

Subject: Re: heard a new prototype
Posted by Ro_Blower on Sat, 15 Jan 2005 17:13:31 GMT
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Hi all,I want to thank you all for the interest in the Mini Planers however I feel as if I am flirting with self-promotion and do not wish to violate any rules of this forum. I am working on getting my own site up hopefuly soon and this is where I intend to promote the heck out of thies little guys. Thanks Darrel Hawthorne

Subject: Re: heard a new prototype
Posted by Wayne Parham on Sat, 15 Jan 2005 19:14:17 GMT
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Sounds cool. You weren't being self-promotional 'cause I asked about 'em. But thanks for being considerate.Looking at what you have, the Alpha 15 is like a full-range driver with the tweeter taking over for the very high frequencies. I'll bet it sounds real nice.

Subject: Re: heard a new prototype
Posted by Ro_Blower on Sat, 15 Jan 2005 19:30:58 GMT
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Hey Wayne,Yes on the Eminence being my "full ranger" of sorts.I run him directly without any crossover.My Idea was to find two drivers that naturaly (or with a bit of tweeking) roll off such that a crossover would only need to be of a minimalist 1st order design. I actualy got good results running the tweeter full range on my Decware/ Jensen Imperials in front of my Pevey Scorpions 15"ers . This got me liking and wanting to do more of this coaxial/ point source type configurations. I run a flea power (7 watts) SET amp from Decware on the Imperials and they are so nice!They are one of two sets of reference speakers that I always go back to .Darrel

Subject: Thanks for posting - very cool speaker design
Posted by wunhuanglo on Sat, 15 Jan 2005 19:57:03 GMT
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Looks like you could orient it 90 degrees and use less floor space (assuming the legs were re-oriented with it of course)? I wonder how the response would differ.May I ask what your T.A.O project is like?Again, thanks for showing your design off.Charlie

Subject: Re: heard a new prototype
Posted by Wayne Parham on Sat, 15 Jan 2005 20:21:10 GMT
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I'm with you. I've made several two-way designs that run the midwoofer pretty high too. I like having the vocals come entirely from one driver. Some of mine use the driver electro-mechanical rolloff exclusively, no crossover, first-order or pseudo-first-order networks. In other cases, I've used a combination of driver rolloff with a little help from an extra pole or two from an electrical network. But either way, they run the midwoofer up through the vocal range.I used to have some

designs with Alpha 15's, but stopped making them because the box was so large. But they're perfect for use on open baffles, as you have done. The central forward mounting of the tweeter is interesting too.

Subject: Re: Thanks for posting - very cool speaker design
Posted by Ro_Blower on Sat, 15 Jan 2005 20:22:54 GMT
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Hey Charlie,Thanks for the compliments.Yes one could orient the baffle to favor height over width.I stumbled onto some thing a while back with regards to speaker heights. Seems that part of what we would call our soundstage is to some degree at the effect to what our eyes see. I built the Decware /Imperials ,which are a very large speaker to have to look at while you are enjoying your music. I could never hope for them to dissapear acousticaly because they could never not be "onstage"With the low, swept back aspect ratio of the Mini"s they just vanish before you ,leaving only the sounds to compete for your attention.You sort of look above and beyond them, and this is where the performers seem to be. The T.A.O. Project : Transending Audio Opposites.Front and rear ,horn loaded, point source full rangers, that can be run bipole or dipole or monopole.(fostex fe167e)Setting on a powered (250Watt) truncated horn loaded bandbass foward and rearward firing sub bass augmenter , that can be run bi,di or monopole as well and fully independently of the top cab.(peerless10")12"x24"x 48" .oak/ply, stained bombay walnut5/4 polished granite topssand box anti res/damping box located between sub and mains boxes.my own personal reference for what I currently call my best work. (lol)I have reviews of them on the Decware forum.And no they are not for sale! Darrel

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Subject: Re: heard a new prototype
Posted by Ro_Blower on Sat, 15 Jan 2005 20:29:20 GMT
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Hey Wayne ,I am sorry, I just realized who you are.You sir, have forgot more about speaker design than I am likly to learn for a long time!.I have been to your site a few times in the past from recomendation of Decware forum members. You have a strong following there.Thanks again for taking interest in my project.Darrel

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Subject: Re: Thanks for posting - very cool speaker design
Posted by hurdy_gurdyman on Sat, 15 Jan 2005 21:55:27 GMT
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I need to jump in here. I heard these T.A.O speakers back in October. They just blew me away. I

think at the time I was trying to figure out a way to sell my children into slavery to come up with enough money to pursuade Darrel to sell them to me. Besides sounding great, they were very interesting to look at. They have a sort of Victorian/1950's combo look. Stained a beautiful dark cherry, they were impressive! The bass horns just blew me away! Awsome!Dave

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Subject: Re: Thanks for posting - very cool speaker design
Posted by Ro_Blower on Sat, 15 Jan 2005 22:01:34 GMT
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Hey Dave ,Your too Kind Thanks for everythingDarrel

Subject: Re: heard a new prototype
Posted by Wayne Parham on Sun, 16 Jan 2005 03:28:49 GMT
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I'm glad you're here, Darrel. I think you bring fresh and interesting ideas to the table.

Subject: Re: heard a new prototype
Posted by akhilesh on Sun, 16 Jan 2005 11:33:22 GMT
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Nice speakers! Great idea to use the eminence & pyle. Thanks for sharing, Ro! -akhilesh

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