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Subject: gettin ready for lima  
Posted by [replay](#) on Wed, 20 Mar 2002 20:54:09 GMT  
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these are the 4 pi's i'll be lugging down. i'll have them finished in a couple of days. hope to see all you guy's there. cheers, george

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Subject: Re: gettin ready for lima  
Posted by [mikebake](#) on Wed, 20 Mar 2002 22:47:14 GMT  
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I know, I know, 24 Michelobs.....what are your bass drivers for these?; I'm sure I should know that. Weather should be coolish, mid to high 40's and mostly sunny. Balmy for a Canadian dude....MBB

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Subject: Re: gettin ready for lima  
Posted by [bmar](#) on Wed, 20 Mar 2002 22:49:45 GMT  
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looking good! should I bring a cd player? bill

To the Feast!

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Subject: absolutely, preferably tube(nt)  
Posted by [replay](#) on Wed, 20 Mar 2002 23:26:27 GMT  
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nt

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Subject: Re: gettin ready for lima  
Posted by [mikebake](#) on Thu, 21 Mar 2002 00:21:05 GMT

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I gotta tell ya, too; the last few days have brought a rush of people committing to attend; I'm thinking we have a GAR-UN-TEED good time now in hand.....

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Subject: better bring more beer(nt)  
Posted by [replay](#) on Thu, 21 Mar 2002 00:24:20 GMT  
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nt

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Subject: Re: gettin ready for lima  
Posted by [Wayne Parham](#) on Thu, 21 Mar 2002 00:42:25 GMT  
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I think George is bringing a pair of JBL 2226's and a pair of Eminence Kilomax 15's, along with a pair of Eminence PSD2002's. I'm also sending along a pair of JBL 2426's. This way, everyone

Both types of systems will be represented, Eminence-based and JBL-based. Also, this will allow Bill's wood horns to be run with either the PSD2002's or the JBL 2426's.

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Subject: Re: better bring more beer(nt)  
Posted by [mikebake](#) on Thu, 21 Mar 2002 00:43:24 GMT  
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Friend, there is no shortage of beer in THIS town, believe me. My buddies own the local distributor, and it's huge.....you want beer, beer is here!!

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Subject: Beautiful!  
Posted by [Wayne Parham](#) on Thu, 21 Mar 2002 00:44:57 GMT

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I like the looks of your external tweeter - Nice touch with Bill's wood horns!

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Subject: Re: gettin ready for lima  
Posted by [mikebake](#) on Thu, 21 Mar 2002 00:45:55 GMT  
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I should have had you build me some cabinets for my two (unused) 2245's sitting in their boxes. Have you used yours? I need to get them fired up.

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Subject: Re: gettin ready for lima  
Posted by [Wayne Parham](#) on Thu, 21 Mar 2002 00:57:53 GMT  
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You might want to find a really good local cabinetmaker and have 'em built there. I'd love to do 'em for you but they're just over the size limit and would have to be palletized and trucked. Lots of happy to build the cabinets for you, but shipping is pretty expensive.

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Subject: Re: gettin ready for lima - fun experiments!  
Posted by [Wayne Parham](#) on Thu, 21 Mar 2002 01:11:40 GMT  
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while you're there - Just for fun. Remove the compensation circuits and just run the crossovers, stock. Listen to the difference. Also, take a good quality 10uF capacitor to use as a single capacitor first order network. Then, you might also try the top octave (tweeter) compensator after the 10uF single order (single capacitor only) crossover. So try each of these as a demonstration of what they all sound like. You can compare all of these types of filters, and then you can also compare all of the passive variants with an active crossover too. Here's the list of some of the things you might want to evaluate: 1. Simple first order (10uF cap in series with tweeter), only. 2. Stock Butterworth 2nd/3rd order network. Use the Eminence crossover, with no compensation. 3.

results to be startling. In fact, I know you will. If you've never heard a compression horn without

appropriate compensation, then you'll be quite startled actually.

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Subject: Re: gettin ready for lima - fun experiments!  
Posted by [bmar](#) on Thu, 21 Mar 2002 01:28:58 GMT  
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You Bet!This is going to be a good show. Lots of quality components and lots of good people. Mike Baker has done a great job turning this into a major event from an idea of a gathering. Lima will be common ground for everybody to unite no matter what system you may think sounds best. All the systems will sound good and we will have lots of fun testing, experimenting and just listening.did someone say there was beer in that town? Bill:::mumbles while walking out of the room:::guess i'll have to bring a good cd and a glass....

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Subject: Re: NAD, sorry no tubes(nt)  
Posted by [bmar](#) on Thu, 21 Mar 2002 01:32:32 GMT  
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nt

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Subject: Re: gettin ready for lima - fun experiments!  
Posted by [mikebake](#) on Thu, 21 Mar 2002 10:19:37 GMT  
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Bill, make sure you let me (and others) know when you run the experiment above. i want to be in the room.MBB

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Subject: Crossover Demonstration - I'll send you several types to show  
Posted by [Wayne Parham](#) on Thu, 21 Mar 2002 15:34:05 GMT  
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I've decided to assemble several sets of cable assemblies for you, and to Fed-X them to you just crossovers with 10dB tweeter compensation cable assemblies but you really should have 12dB assemblies. I inadvertently sent you the 10dB versions because that's what is used in Theater

brain." But the ones you'll need are the 12dB versions, which are actually almost inaudibly different. Still, I'll send you a pair of 12dB and a pair of 14dB tweeter cable assemblies this weekend, just so you can see how each of them sound. More importantly, I'll be sending some cables for the other parts of the demonstration, such as cables that have just a series cap, for a first order tweeter crossover, and those that include a series attenuator that makes the crossover peaking effects more pronounced. These two items will demonstrate peaking at the crossover frequency, just as is shown on pages 27 - 31 of my crossover document. I'll label each cable assembly, and I'll include the response graph of each. This will give everyone a chance to actually hear the effects, which are present even with the most simple networks, the first order single capacitor. And you will have no trouble identifying these effects - They are clearly audible. I see response graphs of systems all the time with evidence of mal-formed networks. The easiest way to spot them is by seeing an anomaly near the crossover frequency. If it's a sharp spike downwards, it's probably due to cancellation at crossover, and is often the result of adjacent second orders or the like. But if it's a sharp peak upwards - often followed by another sharp dip before returning to the baseline - then it's usually evidence of crossover peaking. Even several thousand dollar compression drivers will suffer this kind of peak, if reactive circuits create that kind of signal being sent to them. And sadly, most simple crossovers generate it to one degree or another, and if not considered, the results are clearly audible and definitely measurable. It's exactly what a person should expect, when analyzing the response curve of the filter circuit involved. So I'm sending the crossovers and cable assemblies and stuff for a demonstration. I'll label them all, and I'll send the response graphs shown from reactive circuit analysis using Spice. Then, you guys can hook 'em up, looking right at the graphs as you do. You'll notice the effects immediately - These kinds of 10dB anomalies are easy to hear. Three decibels is pretty subtle, but 10dB stands out pretty clearly. I think you'll find it interesting.

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Subject: Re: Crossover Demonstration - I'll send you several types to show  
Posted by [bmar](#) on Thu, 21 Mar 2002 21:22:51 GMT  
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OK, Great! I forgot to tell you, The JBL 2226's I will be bringing are 4 Ohm. Bill