

fort to assemble the rigging system successfully. This will not only assure a safe event, but will also promote safety in future events and for the future of loudspeaker rigging in general.

The future of loudspeaker rigging is important to protect, as the industry is just beginning to develop. The advent of modular designs that are lightweight, perhaps made of alternative materials such as plastics or fiberglass, hold tremendous promise. Loudspeaker rigging systems will become more specialized as loudspeaker manufacturers start to build dedicated rigging systems into the loudspeaker's construction. Also, the future will hold motorized, servo driven adjustment capabilities for tilts, splays and attitudes with computer based controllers.

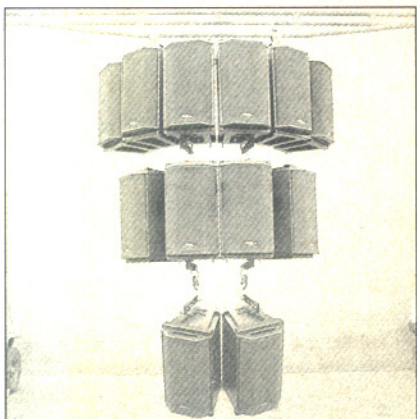


Figure 3. Individual truss assemblies that mount onto individual loudspeakers is another method of achieving splay.

Loudspeaker arrays will be easily designed on computer simulation software, and easily modified to suit each individual application. Loudspeaker array software and room simulation software will be integrated, so that the acoustic effects of modifications in array configurations can be seen on screen, before the loudspeakers are flown and positioned.

Such information as dispersion, directivity and intelligibility estimates will be available to the user for loudspeaker array plotting. And with promising recent developments in computer simulation software, it will be possible to listen to a loudspeaker array's acoustic output in its environment before the array is constructed and placed.

The field of loudspeaker rigging is an exciting area with tremendous potential for creative solutions to many complicated problems. The future holds innovation and efficiency, and above all else, always improving safety margins. ■

Figure 3 courtesy of ATM Fly-Ware.

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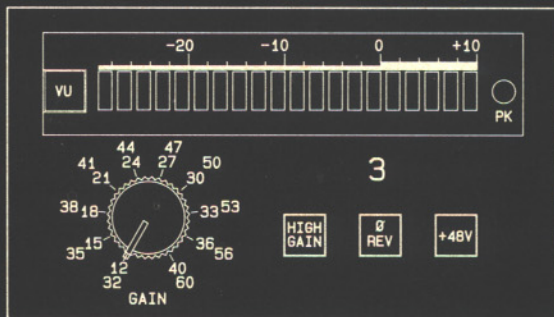
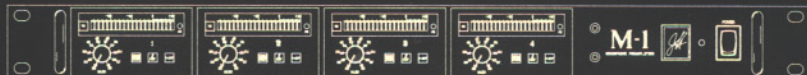


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