



# J.W. DAVIS & COMPANY

Manufacturer & Distributor of Commercial Audio Equipment Since 1933

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## **SPEAKER CABINETS**

Contrary to popular opinion, beautiful hardwood is not a good acoustic material since it tends to resonate, or vibrate, creating its own sound patterns. Made from wood chips, particleboard does not suffer from this problem-- and it is cheap. However, it has numerous undesirable characteristics such as moisture absorption and brittleness that makes it almost impossible to fasten two pieces together securely.

On the other hand, fiberboard is processed by "rubbing" apart wood into fiber bundles of approximately the same size that are combined with a resin binder to form a homogeneous mat of random fiber orientation. The result is the ideal construction material for speaker enclosures. Its high density resists moisture. Its strength allows the thickness to be reduced with attendant weight savings. Its uniform composition permits parts to be securely fastened. And, the absence of long wood grains affords minimal resonance.

Unfortunately, fiberboard is a more expensive raw material. By working with fiberboard for several years, we have developed manufacturing techniques that offset most of this higher cost. Consequently, we can use fiberboard exclusively while maintaining a competitive price for our enclosures. It's a "difference that you can hear."