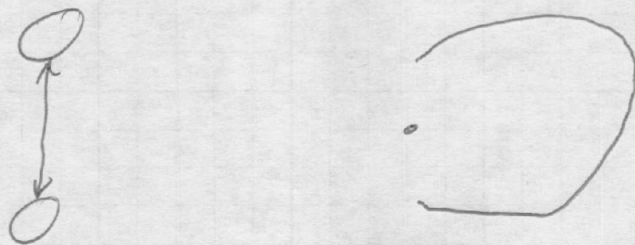


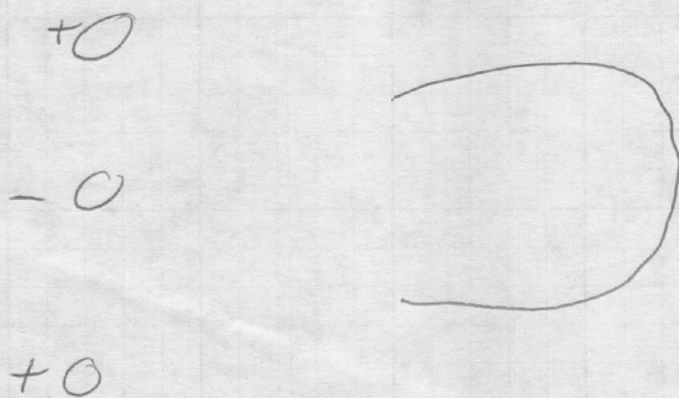
11/5/95

## Extending directivity to Low Frequencies

Directivity of two woofer system is normally determined by the spacing between them.



By mixing in a third identical speakers output out of phase, the pattern control is extended lower in frequency.



This extra woofer may be used to maintain more constant directivity at higher frequencies.

13-782 500 SHEETS, FILLER, 5 SQUARE  
42-381 50 SHEETS, FILLER, 5 SQUARE  
42-382 100 SHEETS, FILLER, 5 SQUARE  
42-383 200 SHEETS, FILLER, 5 SQUARE  
42-384 100 RECYCLED, WHITE, 5 SQUARE  
42-385 200 RECYCLED, WHITE, 5 SQUARE



Made in U.S.A.

13-782 500 SHEETS, FILLER, 5 SQUARE  
 42-381 50 SHEETS, EYE EASY, 5 SQUARE  
 42-382 100 SHEETS, EYE EASY, 5 SQUARE  
 42-383 200 SHEETS, EYE EASY, 5 SQUARE  
 42-392 100 RECYCLED WHITE, 5 SQUARE  
 42-399 200 RECYCLED WHITE, 5 SQUARE



Made in U.S.A.

- ①
- ③
- ②

Frequency				
	Very low (uncontrolled)	Low (controlled)	Mid	High
	+ ①	+ ①	+ ①	+ ①
	+ ②	- ③	+ ③	
		+ ②		

Higher directivity ~~is~~ comes from wider spacing.

More constant directivity comes from having more elements. Each element covers a narrower ~~to~~ band of freq.