

The Klipsch MODEL H Speaker System brings

Stereophonic sound to its highest development.

KLIPSCHORNS and SHORTHORNS have been used to achieve the highest state of the art for 2-channel stereo. Corner placement affords necessary separation as well as superior individual speaker performance.

With the development of 3-channel stereo a center speaker affords the final step in offering what the ear accepts as a complete curtain or a continuum of sound which brings sounds from all locations into focus.

The center speaker is not a corner speaker, nor does it need a full bass range. A new speaker was evolved, designated as the MODEL H\*. Intended for center channel stereo application, it is also designed to be a good speaker system in its own right. Bass cone excursion is limited to achieve extremely low distortion; midrange and treble units are the same as used in the SHORTHORNS\*\* and KLIPSCHORNS\*\*. The model H has the same extended upper frequency response and extremely low distortion characteristic of other Klipsch speaker systems. The Model H therefore fits a stereo system using other Klipsch speakers. It also affords superior sound reproduction by itself when an extended bass range is not demanded. The bass response of the H-12 is down 10 db at approximately 80 cycles compared to the same loss at 33 cycles for the KLIPSCHORN and 50 cycles for the SHORTHORN-S-15. The objective has been to offer a small speaker with the extremely low distortion exhibited by horn type midrange and tweeter components. The accent has been minimum distortion rather than an extended bass response, and elevated or peaked bass response has been carefully avoided.

3-CHANNEL STEREO

The principle of operation depends on the simple fact that if 2 microphones are properly spaced relative to each other and to plane of the sound source, their combined output will be that of a single microphone micway between them. Indigenous to 2-channel stereo is a middle channel recoverable by combination.

\* Heretofore we have made only corner speakers. The non-corner center stereo model was facetiously dubbed "Klipsch's HERESY" from which the H was retained.

\*\* Trade Marks of KLIPSCH and ASSOCIATES

The simplest and most effective way to derive 3-channel stereophonic sound from 2-track source material is shown in the sketch, Fig. 26. Further information may be obtained from published articles by Paul W. Klipsch; "Experiences In Stereophony", AUDIO, July 1955; "Making Stereophonic Tapes", HI-FI MUSIC at HOME, Nov.-Dec. 1955; and "Two Track 3-Channel Stereo", AUDIOCRAFT, Nov. 1957. Other articles in preparation or published may be apprehended by writing this company.

To determine user preference, the Model H is introduced in 2 sizes with K-ORTHO-12 and K-ORTHO-8 drive systems (same tweeter and midrange, with 12 or 8 inch woofers).

	F.O.B. Hope	Zone 1	Zone 2	Zone 3
Model HU-12	\$165.	\$167.	\$168.	\$169.
HR-12 styled, unfinished	185.	188.	190.	192.
H-12 styled, finished	195.	198.	200.	202.
Model HU-8	155.	158.	160.	162.
HR-8, unfinished	175.	178.	180.	182.
H-8, finished	185.	188.	190.	192.

General data. Finished models in natural and dark mahogany and prima vera; unfinished; mahogany and prima vera. Utility; fir, unpainted.

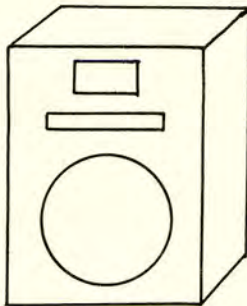
	HU-12	H-12	HU-8	H-8
Size	19-2/4x15 1/4 x12	21 1/4x15 1/4 x13	16x12 x10 1/2	17-5/8x12 1/4 x11 1/2
Unit Wt.	32 lbs.	36 lbs.	28 lbs.	31 lbs.
Shipping Wt.	37 "	42 "	32 "	36 "

Above units would be designated, for example, HR-12-P for the unfinished styled model in prima vera; H-8-M7 for styled Model 8, dark mahogany.

Same as above for general service, W-3 networks drops squaker and tweeter 3 db for "equalized" bass. Add G to letter designation; thus example above becomes HR-12-P-G. If both stereo and general use are contemplated the stereo model (without G) should be selected rather than the G version

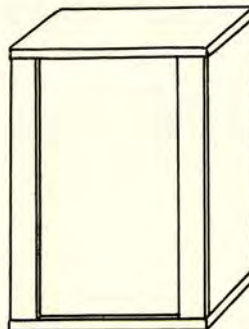
KLIPSCH and ASSOCIATES  
Hope - Arkansas  
12 November 1957

Fig. 24



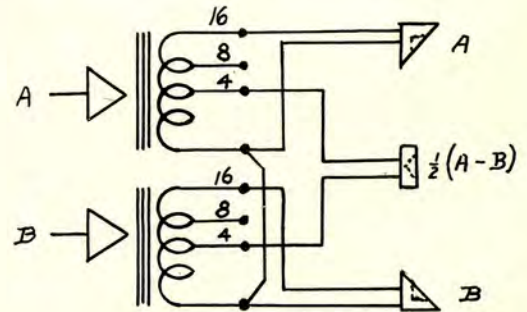
MODEL HU  
Utility

Fig. 25



MODEL H

Fig. 26



KLIPSCH-EARGLE CIRCUIT for 2 track 3 channel stereo. Simplified schematic showing output transformers of power amplifiers and the three Klipsch speaker systems.