

## VII. LIST OF REFERENCES

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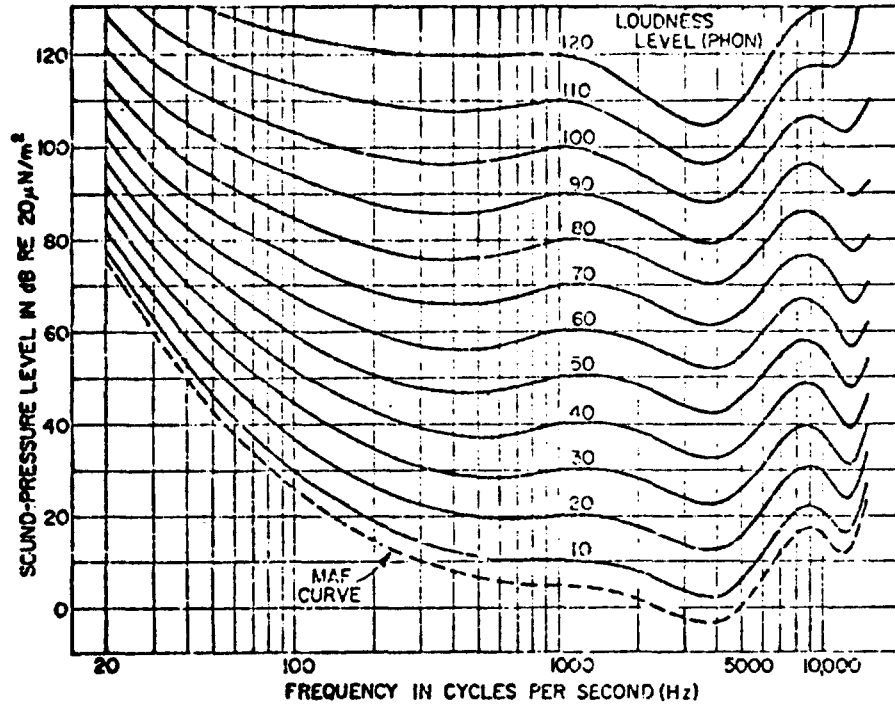


Figure 1. Normal Equal Loudness Contours for Pure Tones

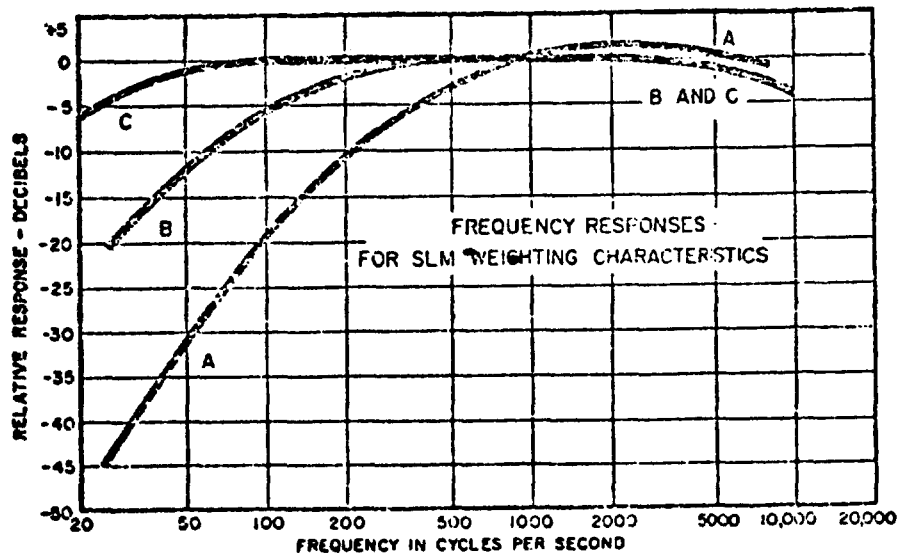


Figure 2. Standard Frequency Weighting Curves for Sound Level Meters

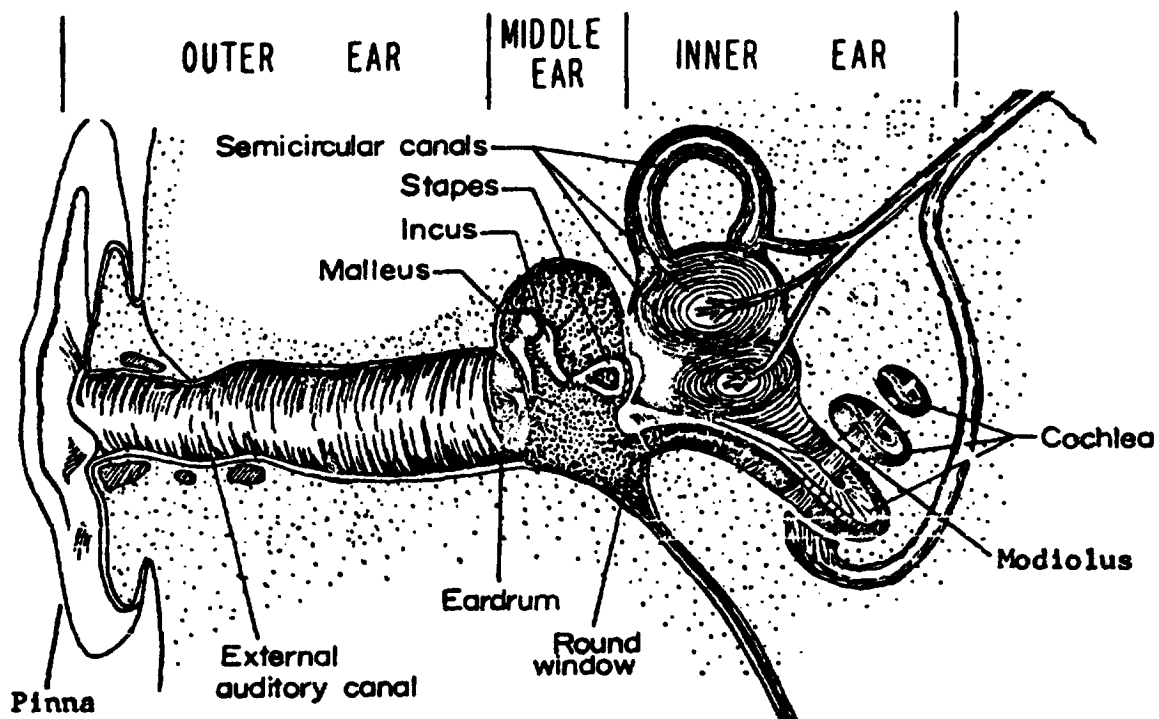


Figure 3. Cross-section of outer, middle, and inner ear structures.

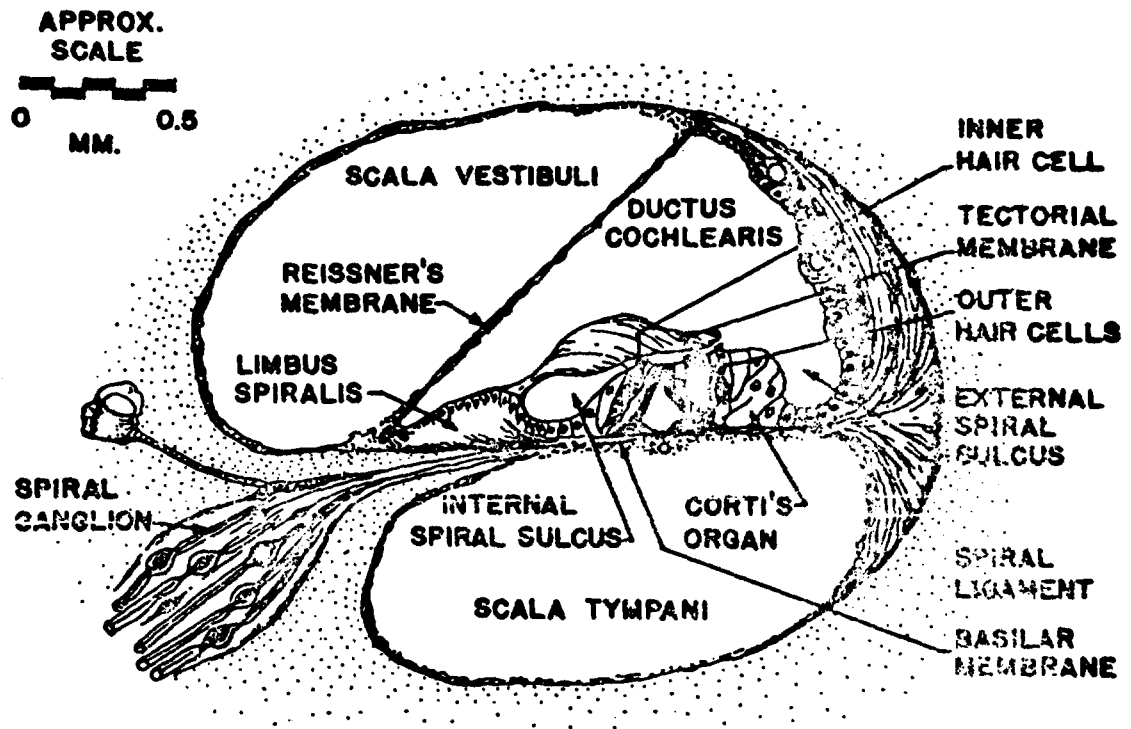


Figure 4. Cross-section of the Organ of Corti.

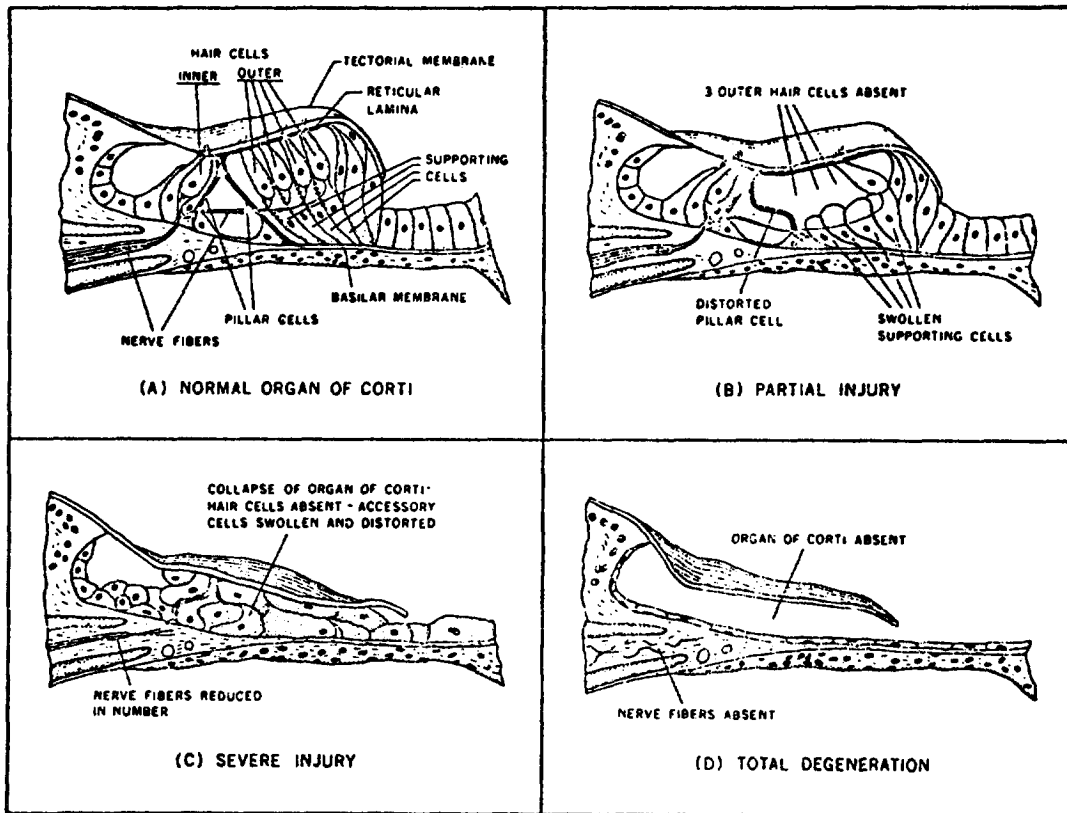


Figure 5. Cross-section of the basilar membrane revealing the normal state and progressive degrees of damage likely to be inflicted by high level noise. (Material reproduced from J. D. Miller, Central Institute of the Deaf, St. Louis, Missouri, as noted in Ref. 10).

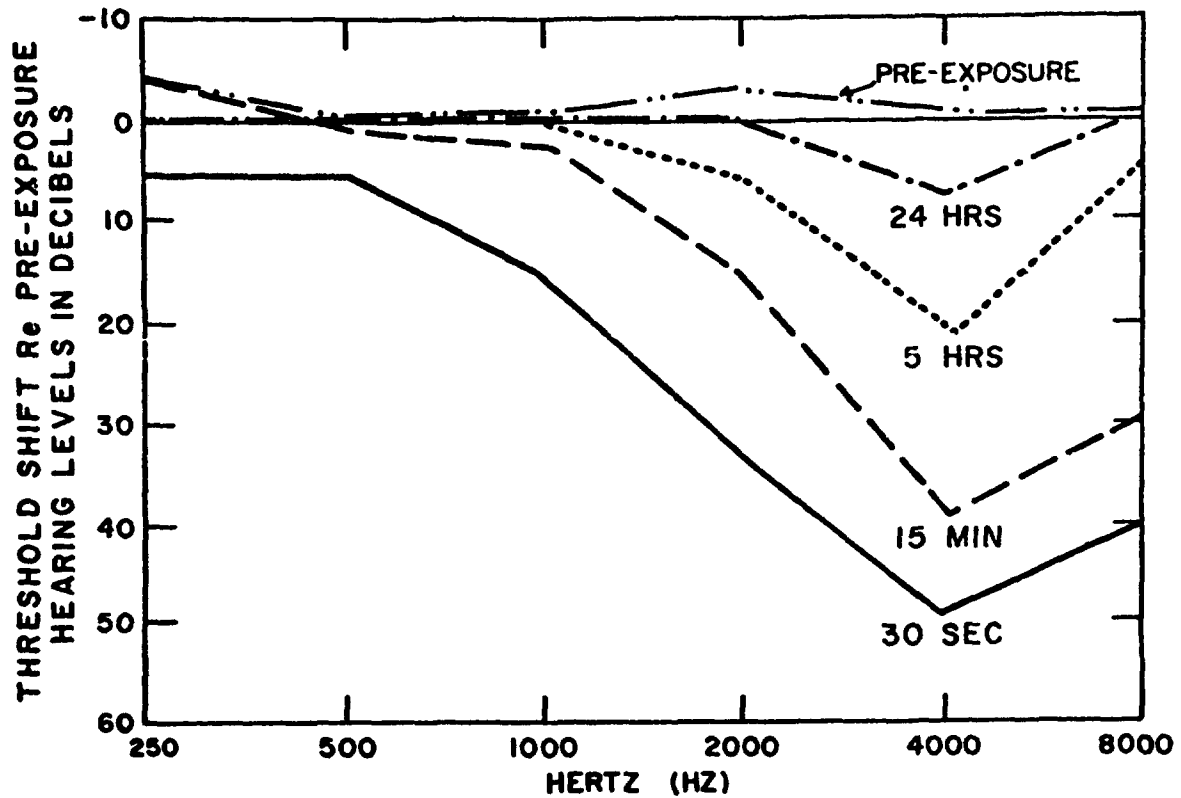
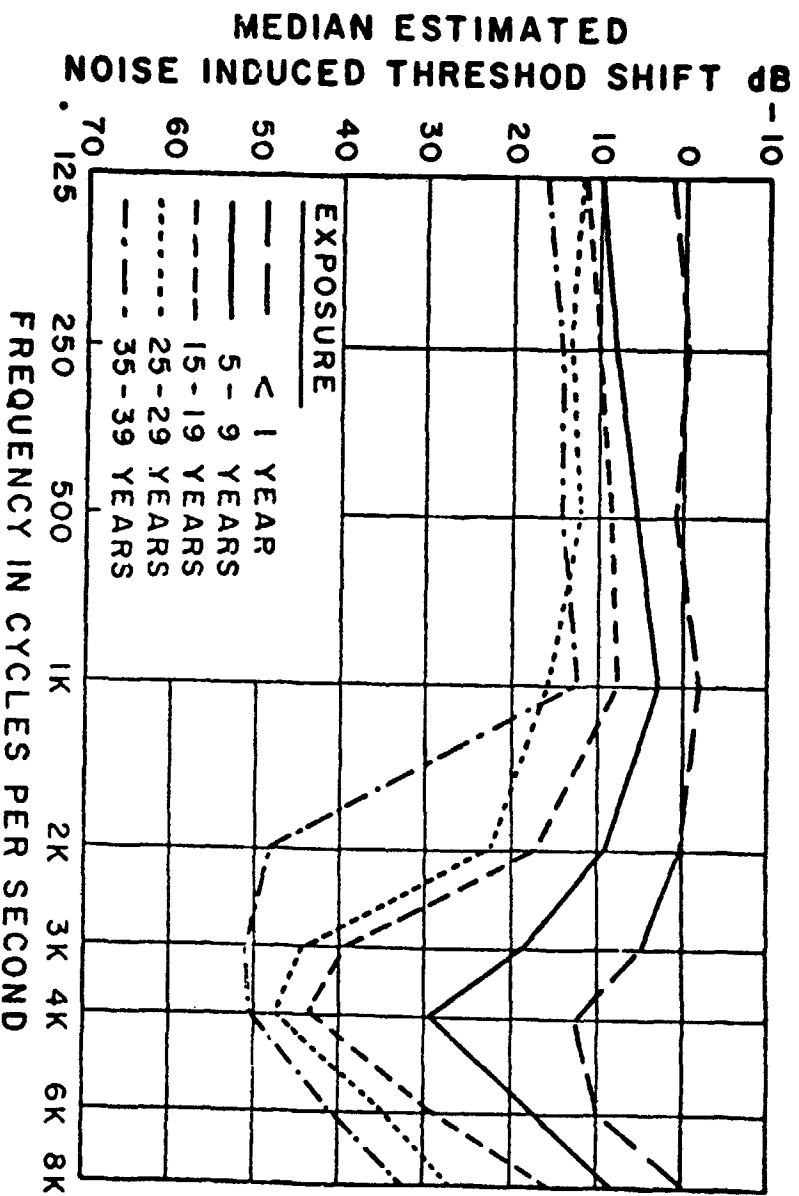


Figure 6. Hearing levels measured at various times after a 2-hour exposure to a broad-band noise at 103 dBA as compared with pre-exposure determinations. (Single subject data taken from the Public Health Service laboratory in Cincinnati, Ohio).



**Figure 7.** Median permanent threshold shifts in hearing levels as a function of exposure years to jute weaving noise. (Data taken from Taylor, et. al. [Ref. 10]).



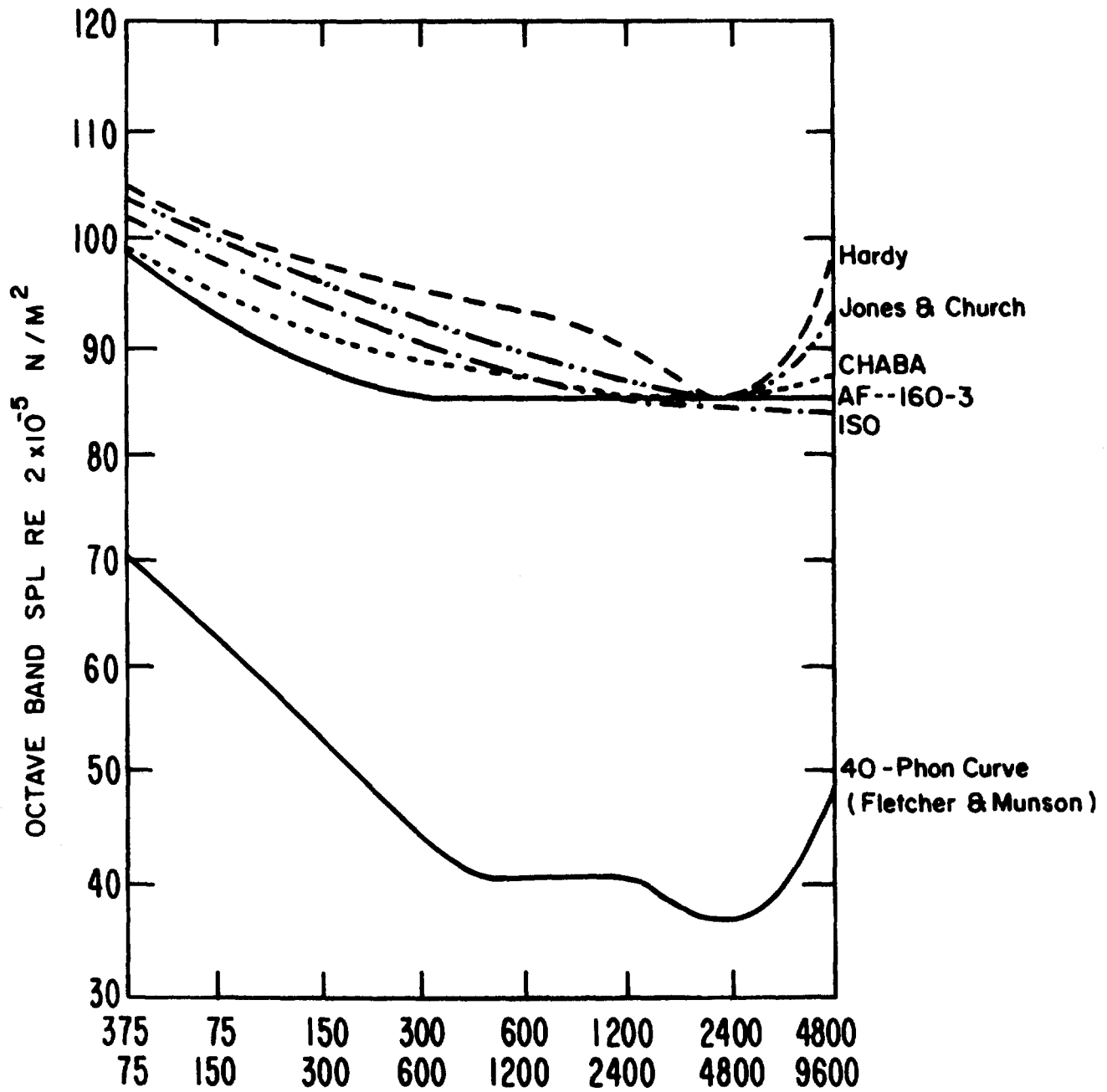


FIGURE 8. Comparison of selected octave band damage risk criteria with 40 phon loudness curve.

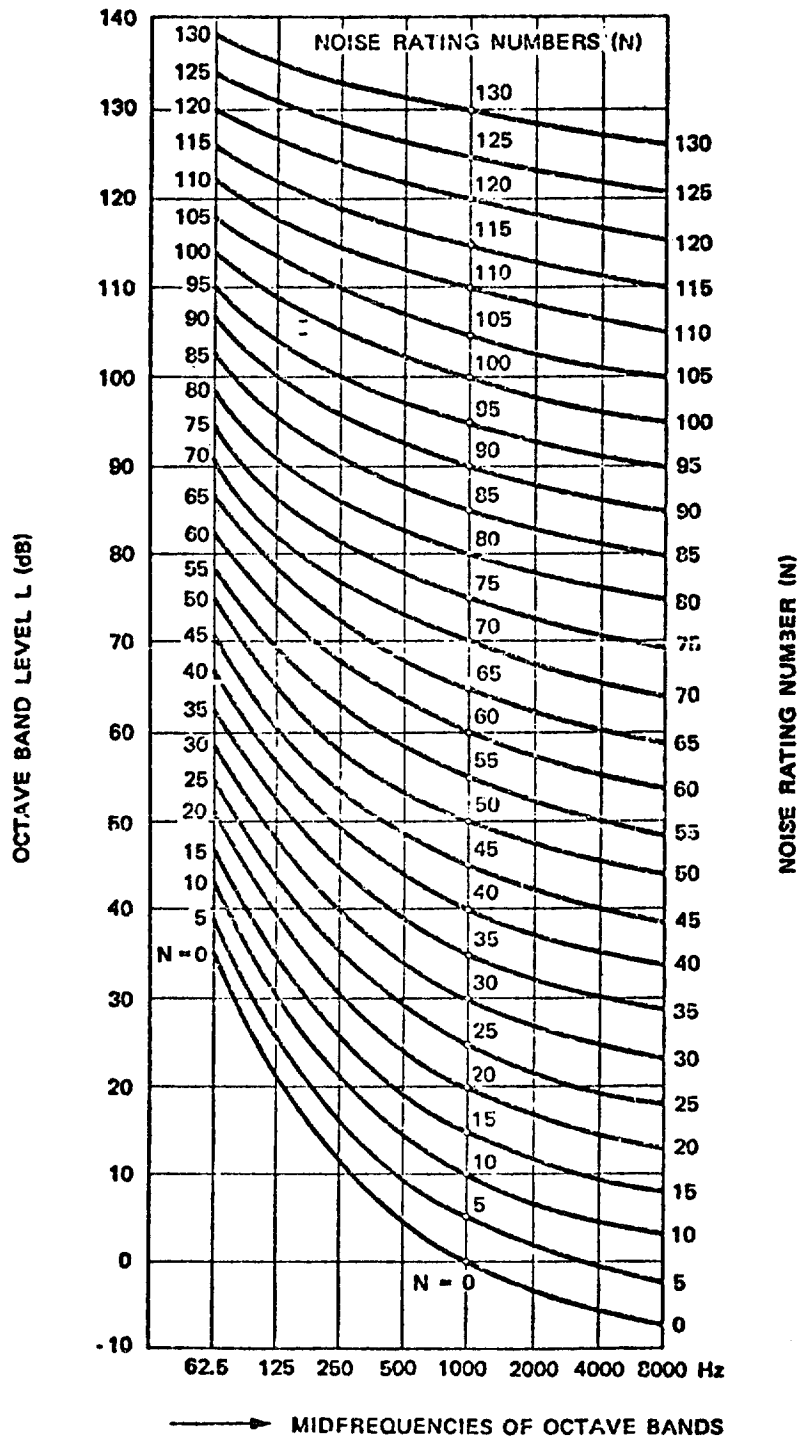


Figure 9. Noise Rating Curves

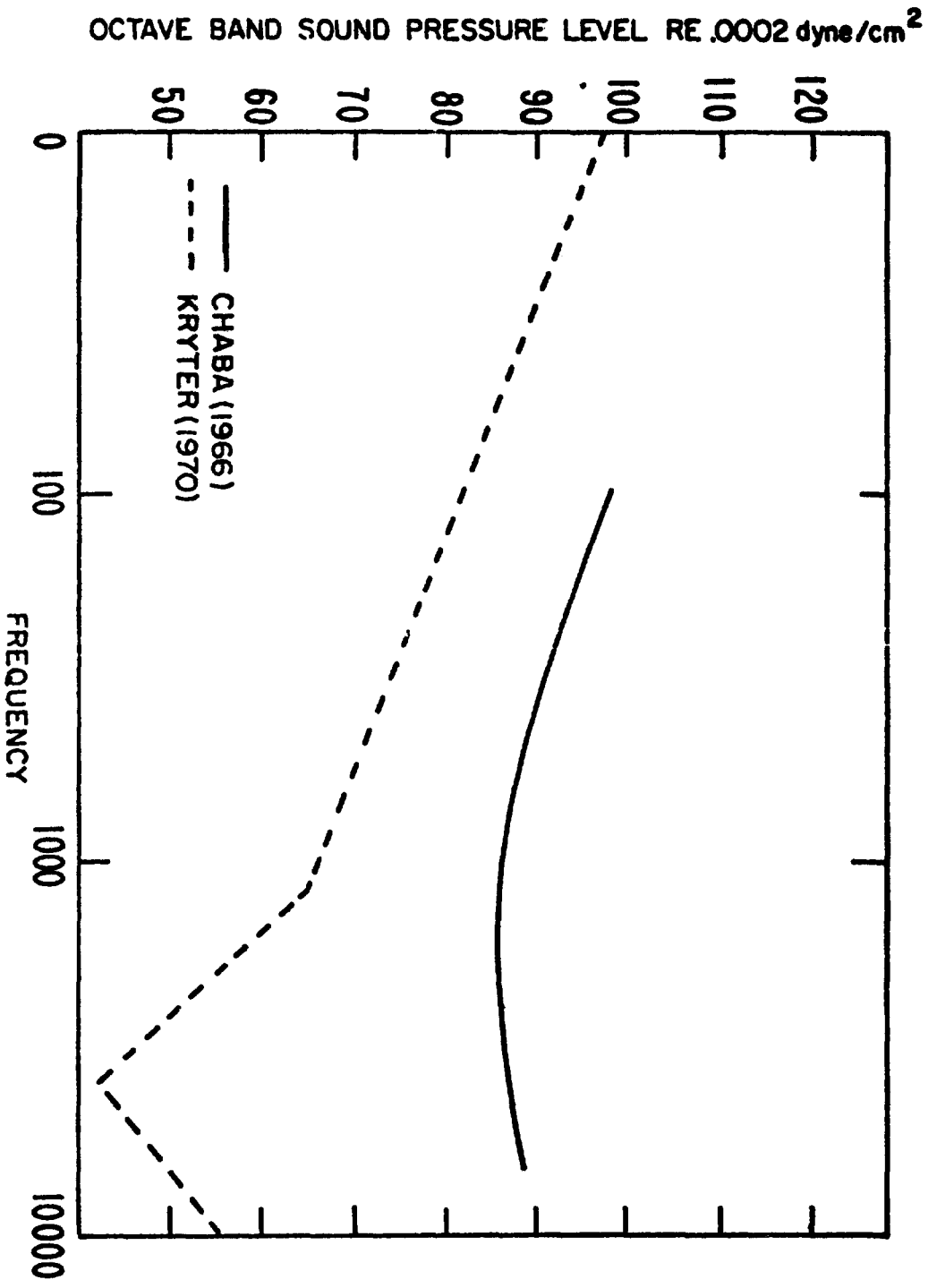


FIGURE 10. Difference between two damage risk criteria based on protection goal recommended by CHABA (1966) and Kryter (1970).

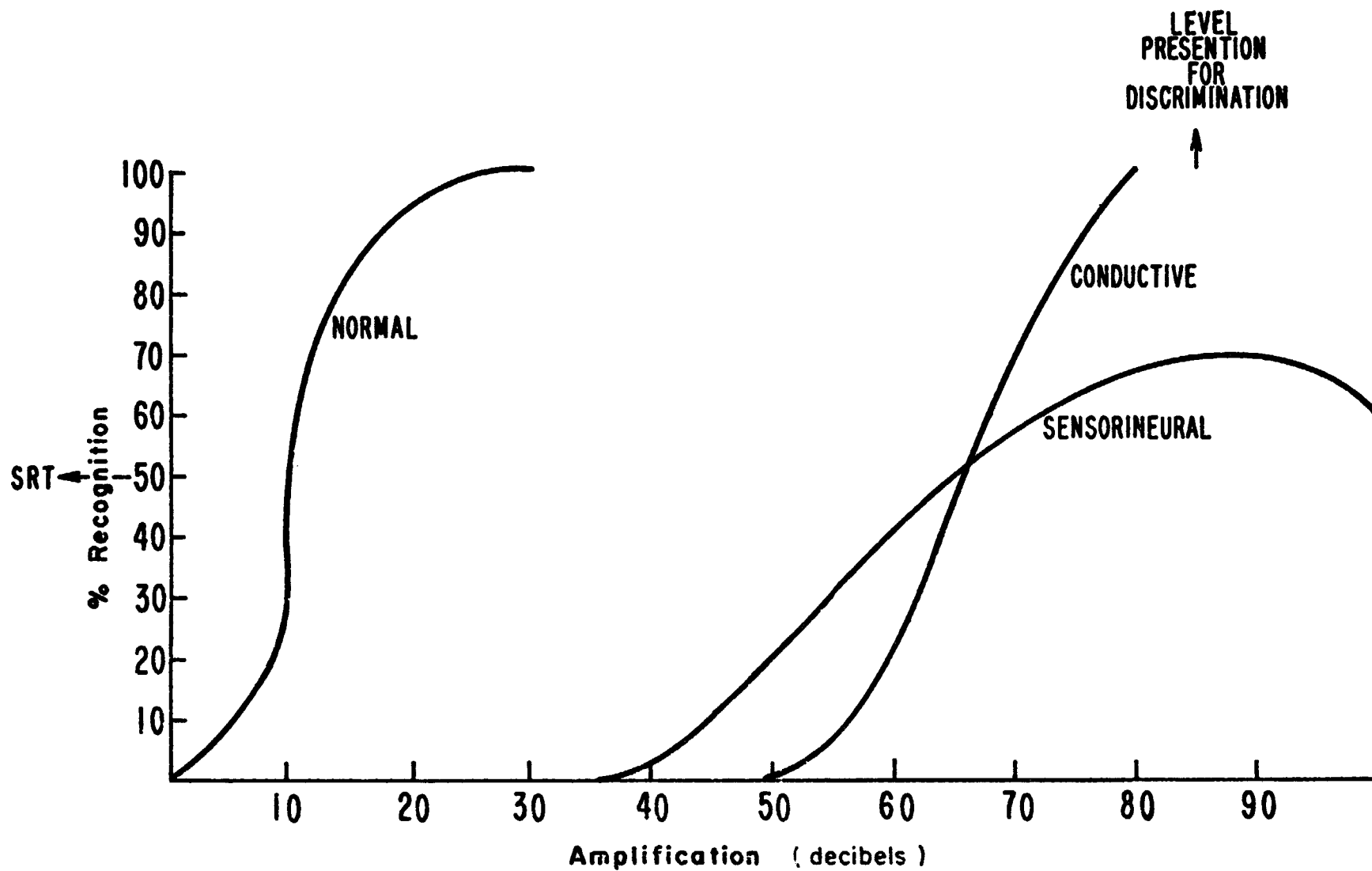


FIGURE 11. Articulation Indices Representing Normal, Conductive and Sensorineural Cases (from Hood, 1971)

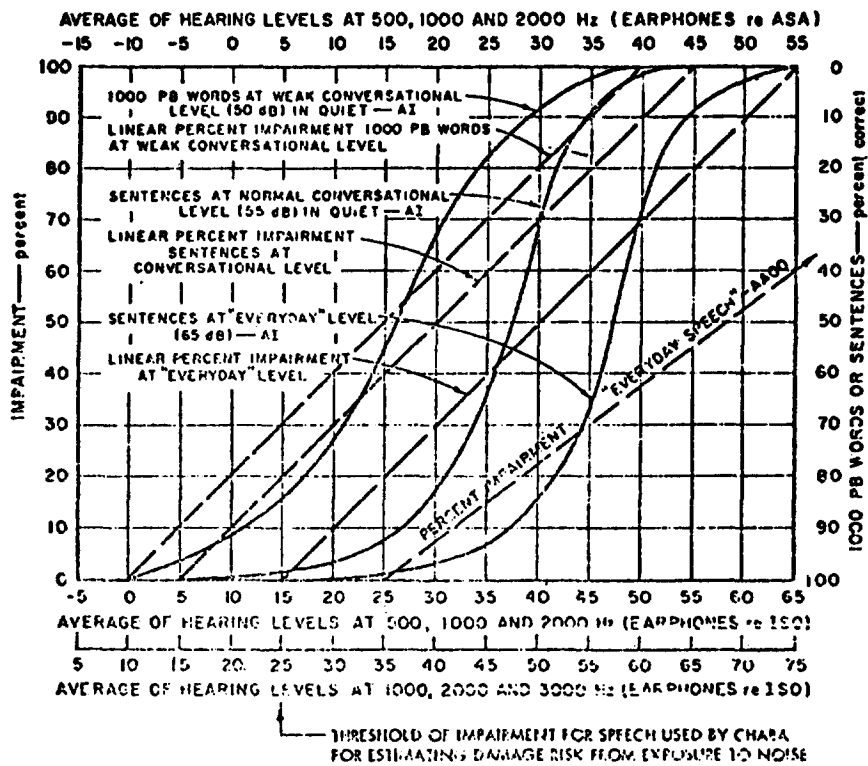


Figure 12. Relation between impairment of speech intelligibility and HL, as calculated by AI and as proposed by AA00. (From Kryter, 1970)

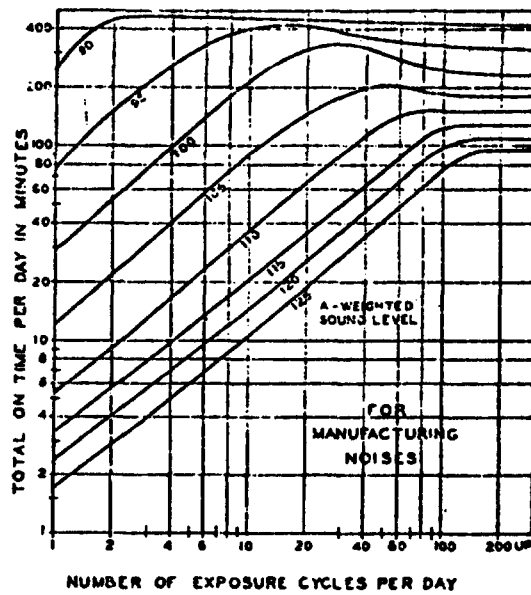


Figure 13. Total duration of a noise allowable during an 8-hour day as a function of the number of periodic interruptions. An exposure cycle is completed each time the A-weighted sound level decreases to or below 89 dB. (From Botsford, 1967)

DISTRIBUTION OF POOLED DATA (HL  $\overline{1,2,3}$  KHz)

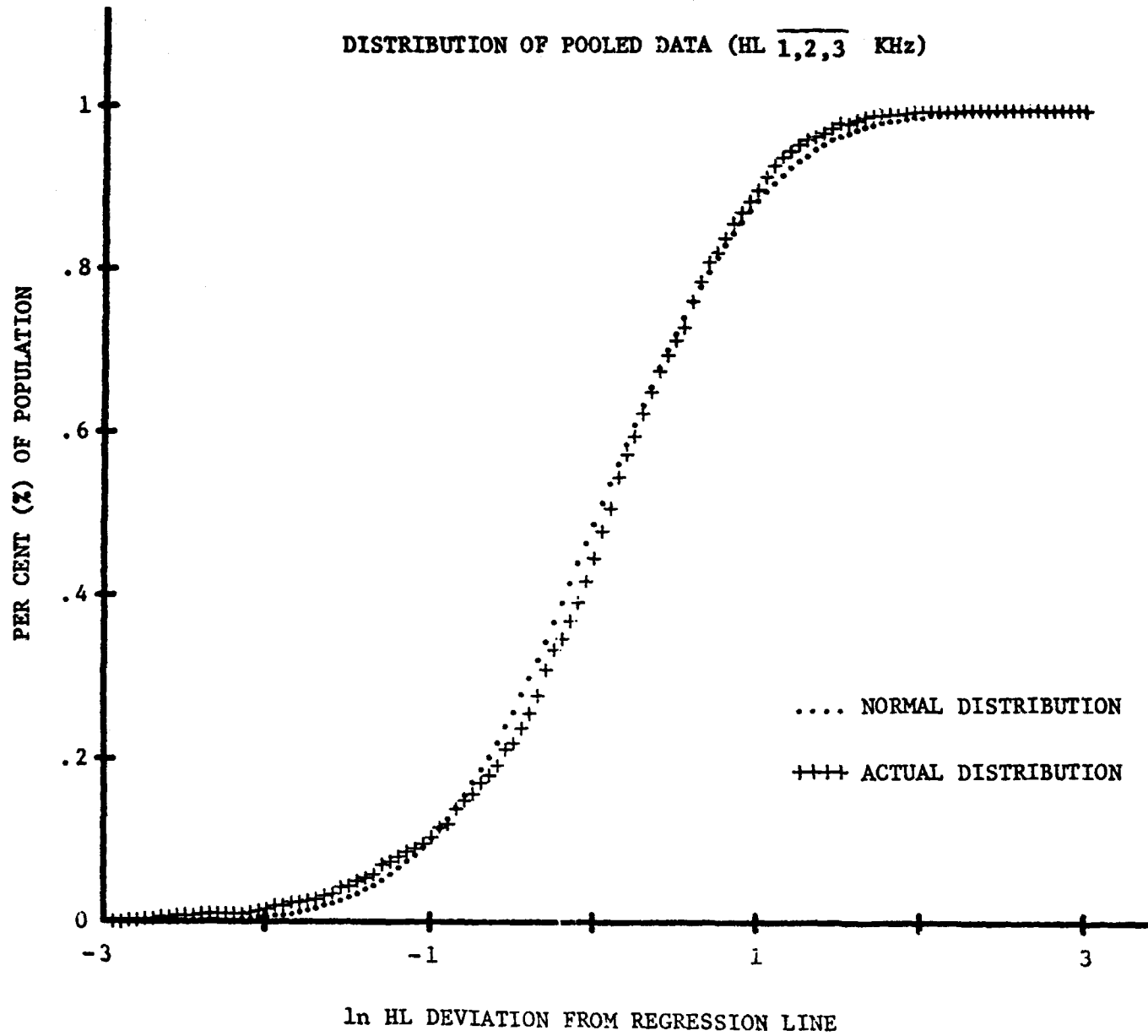


Figure 14 .

DISTRIBUTION OF POOLED DATA (HL  $\overline{.5,1,2}$  KHz)

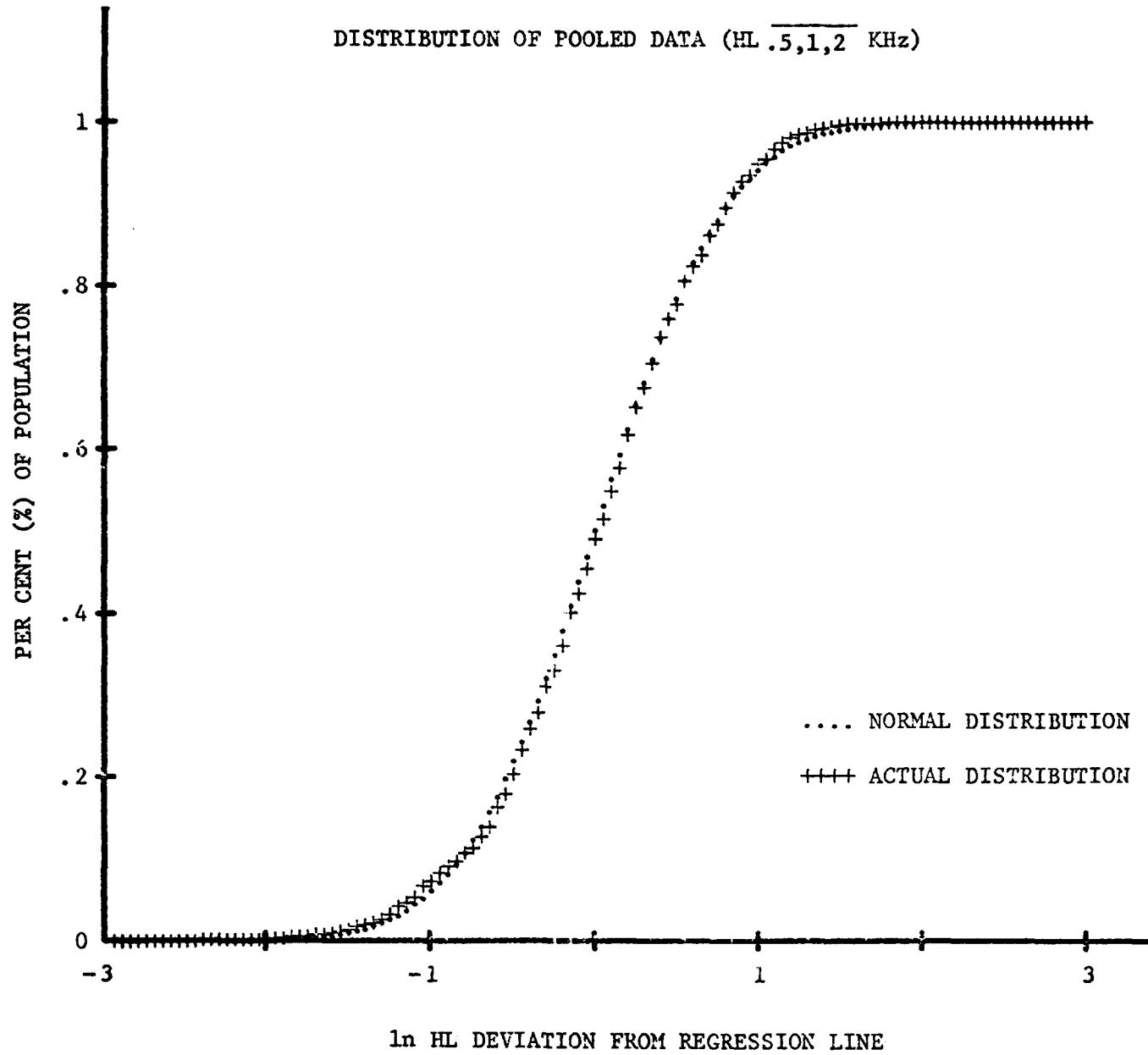


Figure 15.