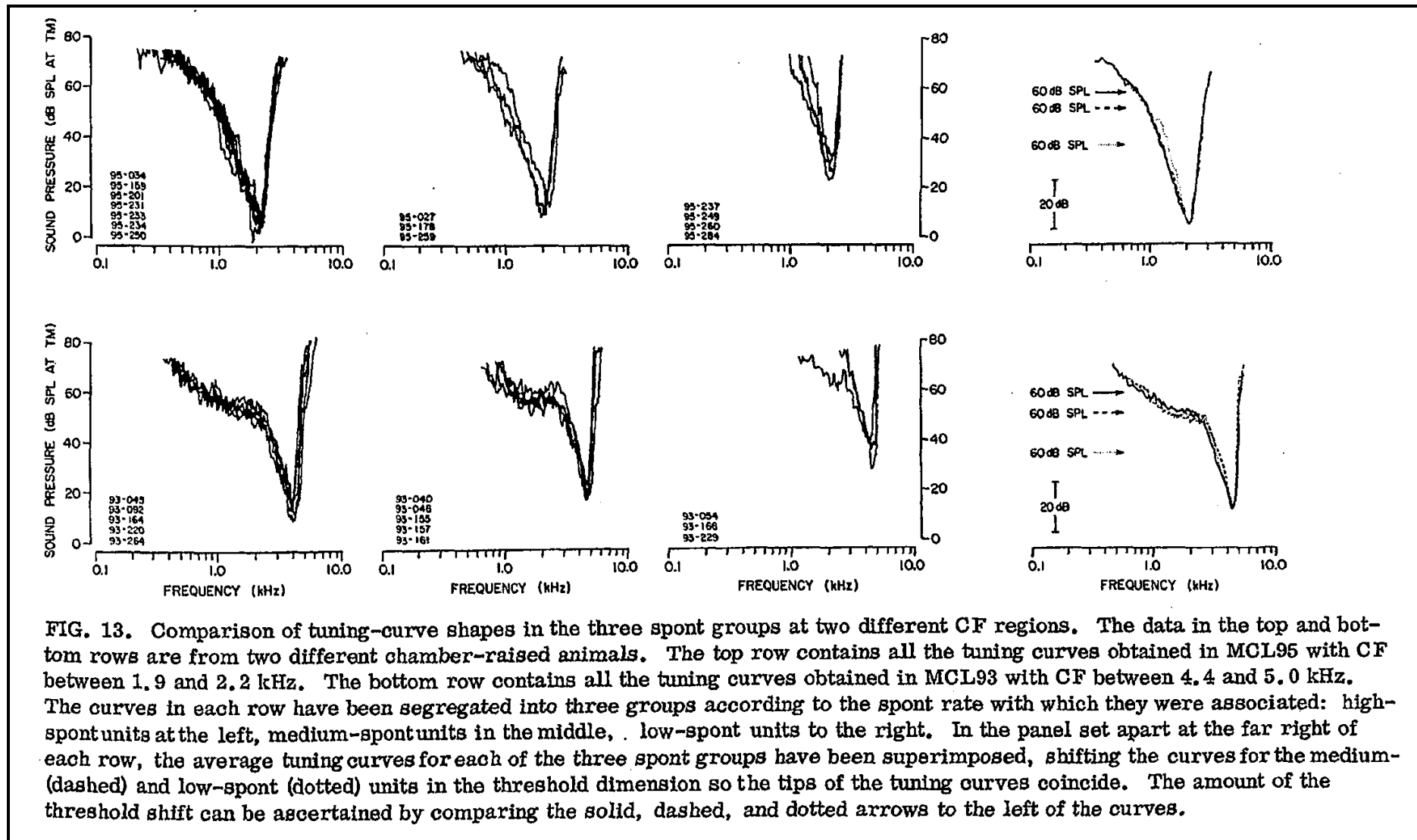


Dual tuning in the mammalian cochlea:  
dissociation of neural and basilar mem-  
brane responses at supra-threshold  
sound levels – a meta-analysis

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Fig. 7



Figs. 7-9. Sharp tuning of high-threshold ANFs in the cat (Lieberman, 1978).

Fig. 8

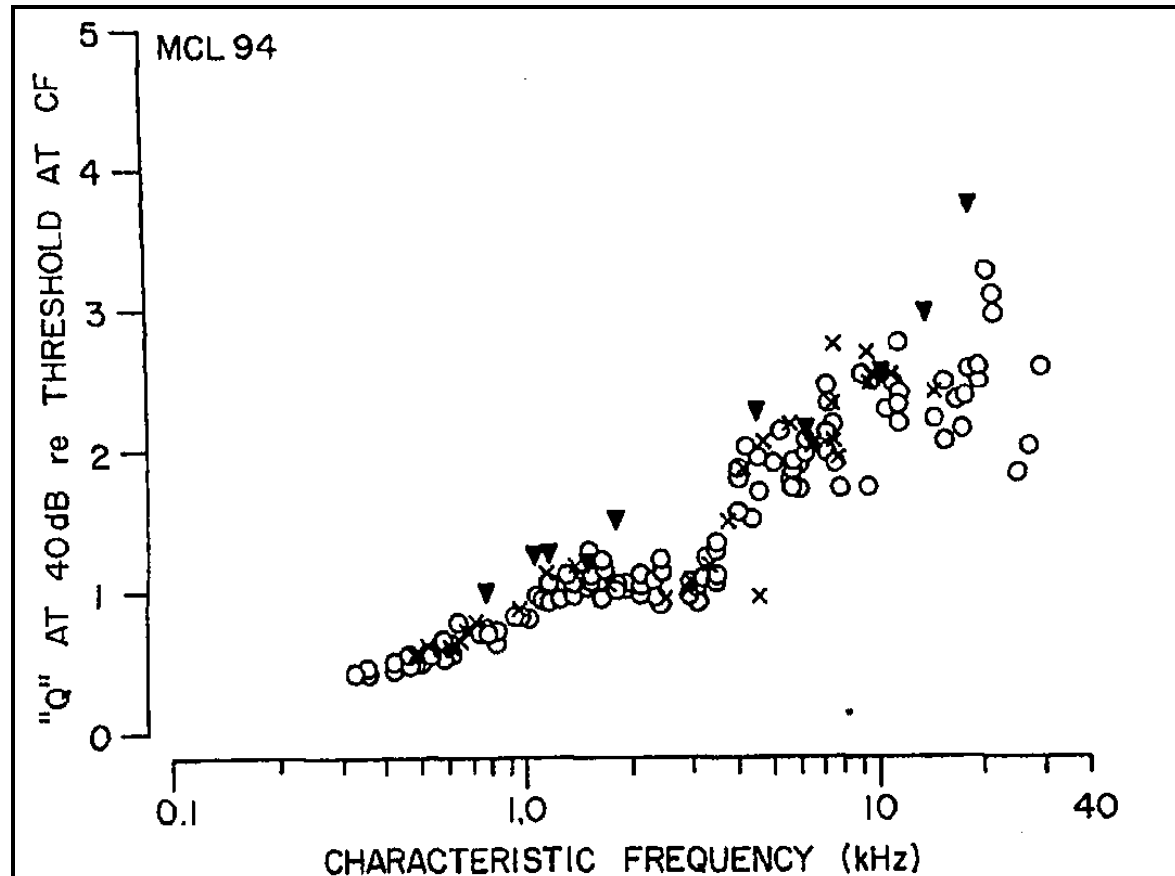


FIG. 14. Tuning curve "Q" as a function of CF with coding for spont rate. "Q" is measured at 40 dB *re* threshold at CF and is defined as the ratio of the characteristic frequency to the bandwidth of the tuning curve. Solid triangles represent low-spont units, crosses represent medium-spont units, and open circles represent high-spont units. The data are taken from one of the chamber-raised animals.

Fig. 9

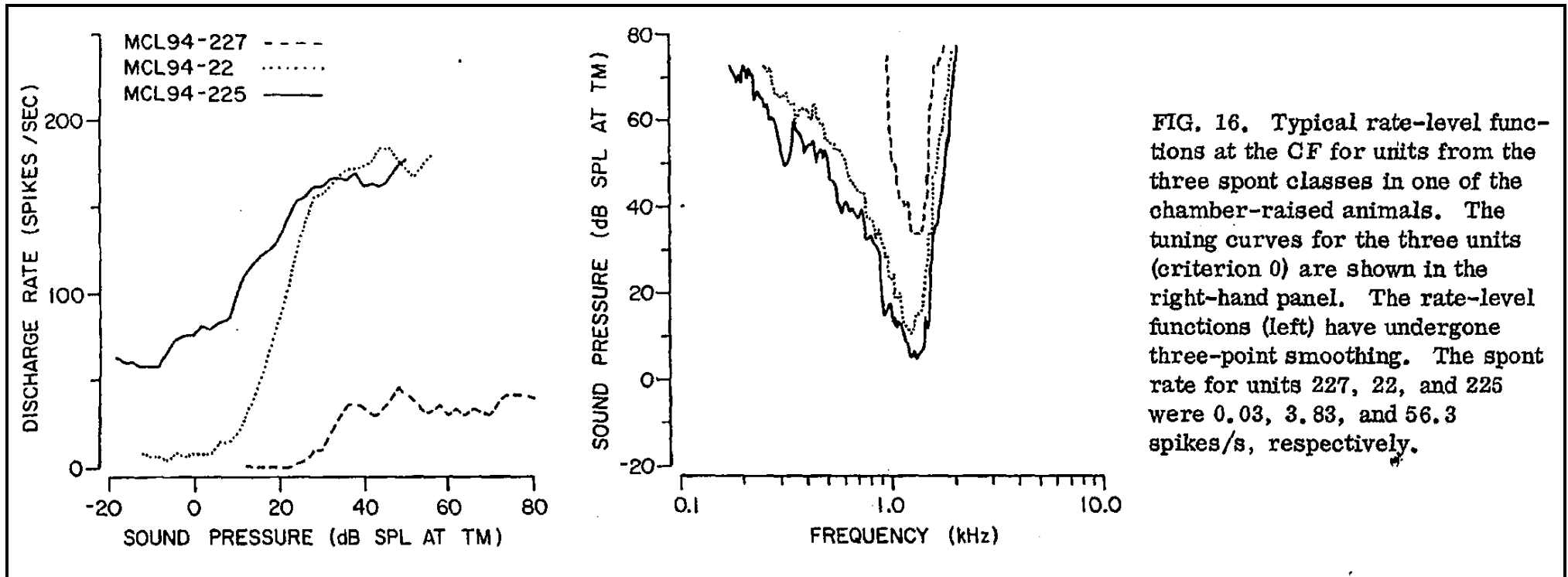
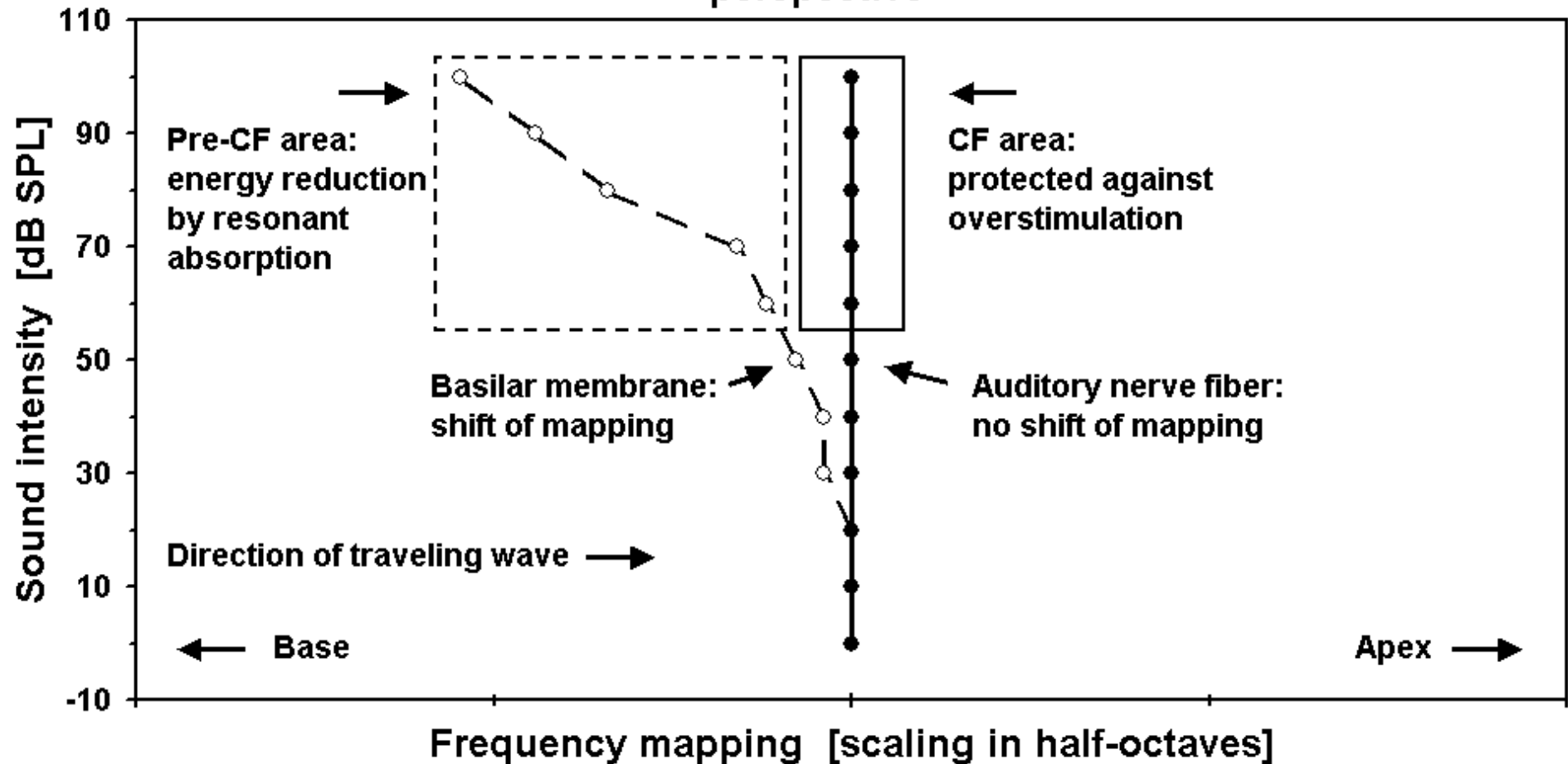


FIG. 16. Typical rate-level functions at the CF for units from the three spont classes in one of the chamber-raised animals. The tuning curves for the three units (criterion 0) are shown in the right-hand panel. The rate-level functions (left) have undergone three-point smoothing. The spont rate for units 227, 22, and 225 were 0.03, 3.83, and 56.3 spikes/s, respectively.

## Shift of frequency mapping with sound level - panoramic perspective



**Fig. 5.** Cochlear frequency mapping versus sound level. X-axis: BF place position along the length of the cochlea. Y-axis: sound intensity of the stimulus. BM data according to sample in Fig. 4. ANF data according to the summarized results of the present study.