

## CIRCUIT ANALYSIS

The analysis of the ratio detector is more difficult than that of the

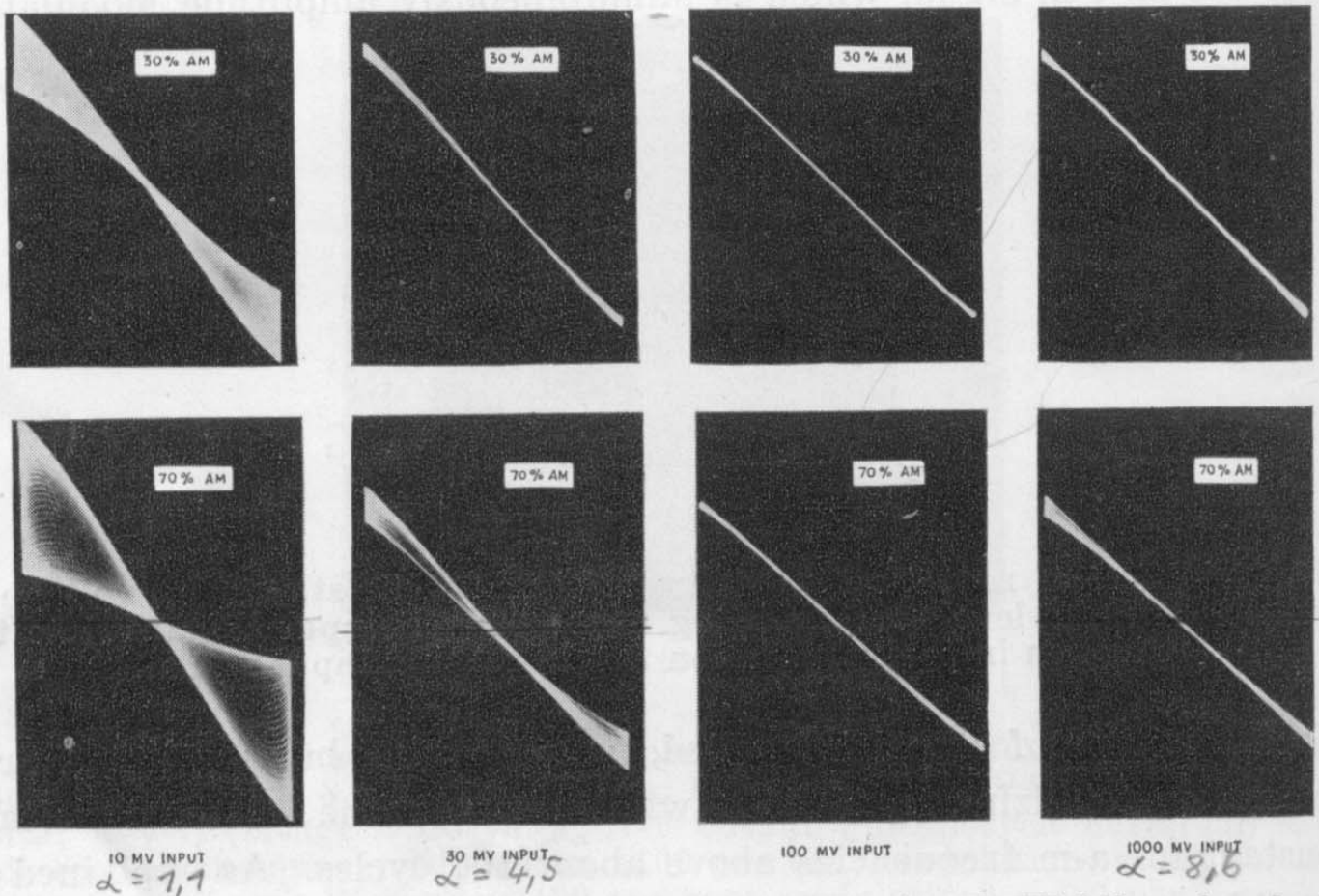


Fig. 12—The demodulated output when an f-m signal, 75 kilocycles deviation, having simultaneous a-m modulation, is applied to the ratio detector in Figure 8. The f-m modulation is at 400 cycles; the a-m modulation is at 250 cycles. The width of the detector characteristic indicates the residual a-m output.