

M0011377: Pfluger's diagram of electronus

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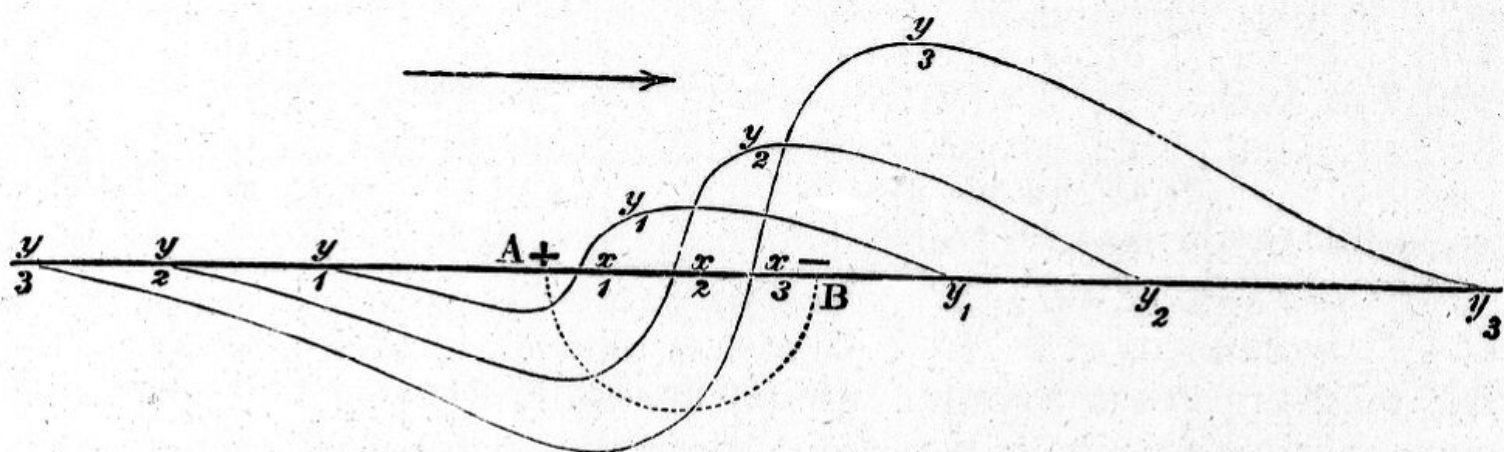


FIG. 14. DIAGRAM ILLUSTRATING THE VARIATIONS OF IRRITABILITY DURING ELECTROTONUS, WITH POLARIZING CURRENTS OF INCREASING INTENSITY (from Pflüger).

The anode is supposed to be placed at A, the kathode at B; AB is consequently the intrapolar district. In each of the three curves, the portion of the curve below the base line represents diminished irritability, that above, increased irritability. y_1 represents the effect of a weak current; the indifferent point x_1 is near the anode A. In y_2 , a stronger current, the indifferent point x_2 is nearer the kathode B, the diminution of irritability in anelectrotonus and the increase in katelectrotonus being greater than in y_1 ; the effect also spreads for a greater distance along the extrapolar regions in both directions. In y_3 the same events are seen to be still more marked.