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Dictaphone Corporation

LIMITED

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BRANCHES IN ALL PRINCIPAL CITIES

the remaining honest men; in other words conviction for lying, and hence in this case stealing, came from within.

All methods by which we endeavour to detect guilt in others are eventually based on peculiarities of behaviour. The truant looks guilty—or else too innocent! The poker face adopted by a deceiver does not conceal the rising flush nor does the perfect alibi cover up a peculiar overtone in the voice. Let us go further in our analysis. Suppose the perfect liar can control his voice, his rhythms of movement, his slightest muscle changes, there still remain the internal happenings.

We can easily show that minute bodily changes occur during even mild emotional experiences. Some of these are: tightening of the visceral muscles; increasing of tremors, as, for example, in the finger-tips; glandular disturbances easily demonstrated in perspiration or tears or changes in the flow of saliva;

disturbances of breathing rhythms and so on.

These inner disturbances can usually be revealed by a delicate, balanced electrical system that can indicate differences in resistance due to perspiration changes. The changes affect the position of tiny mirrors in the galvanometer. By playing a beam of light on this mirror we can actually see the oscillations of the reflected beam; these in turn can be photographed. The sequence is, therefore, rather simple: emotion, glandular (perspiration) response, variation of skin resistance, electrical changes and photographic record.

It is interesting to note that popular speech has borne testimony to the inward changes during emotional states, as, for example, "the bowels of mercy," "believing with our heart," "a sinking feeling in my stomach," "my heart is in my mouth" and so on.