

leaves the power of the Lenticular ganglion unbalanced, the irian vessels are contracted and the size of the pupil diminished. Destruction of the third nerve renders the Lenticular ganglion powerless, the centrifugal fibres of the fifth being then wholly unbalanced, the irian vessels become fully dilated, and consequently the pupil permanently enlarged. On the contrary, destruction of the fifth nerve leaves the Lenticular force wholly unbalanced, the irian vessels become completely contracted, and thereby render the pupil immovably contracted. Hence the disorganization of the eye and the loss of function in the nerves of special sense from manition. Extirpation of the superior cervical ganglion induces congestion of the *vasa nervorum* of the fifth nerve, and thereby impairs its functions, ultimately producing the same phenomena that follow destruction of the fifth itself.

To style this action of independent centres "reflex," is a gross misapplication of terms. "Reflex" is defined "a bending or turning back." A mere sensation must be bent or turned back, and therefore could be nothing still but a sensation, possessing no motor influence whatever. The centres receive intelligence of the actual requirements, and generate an impulse accordingly.

In the crisis then, we have a perfect *Neurometer* to indicate the exact relative strength of the dynamic forces which must prove an invaluable guide in diagnosis.

Great depression from any cause whatever, demands even greater exalted action to elevate the nervous forces up to a normal standard—any influence short of powerfully rousing the sympathetic centres must necessarily increase the disproportion already existing between the two systems, and thereby increase the danger.

"These shallow draughts intoxicate the brain,
But drinking largely will sober us again."

Under a state of great depression it is almost impossible to imbibe sufficient to intoxicate. We have seen a man severely bitten by a rattle-snake, imbibe a gallon of best corn whiskey in a few hours, without the least approach to inebriation. Here the co-ordinate depressing influence of emotion, arising from the consciousness of impending death, co-operates with the rapidly exhausting venom, and hence the almost incredible quantity of alcohol required to overcome their concurrent actions.