

the other where it forms part of a general disturbance as in the case of toxæmia, etc.

The studies of Kempner and Pollock, that a number of definite changes in the nerve cells occur after infection or intoxication with the products of the sausage poison bacillus (*B. botulinus*) further afford the important evidence that when injected with protective serum these changes remain absent. It is noticeable that some of the most striking changes which attract the eye of the observer, such as the vacuolation of the nerve cells, etc., are now known to be merely post-mortem in origin.

With regard to the psychical element upon which so much stress has been laid, this perhaps has been unduly exaggerated. Morton Prince's observations on this point are very striking; he investigated a large number of football players of American colleges without finding a single instance of the conditions analogous to "Railway Spine," as a result of the game. Now short of actual warfare and railway collisions, there is probably no condition which would seem at first sight more conducive to spinal and nervous concussions than football as played in American colleges. He explains the absence of the neuræsthenic symptoms by the mental state of preparedness and the concussions being far from unexpected. Similarly, the fact that railway employes are more or less in a state of expectantness, and this ex-