him special pleasure. It is an example of the representation of extension of the wrist which Dr. Keen referred to in his cases hefore the Surgical Association. In his diagnosis he had figured the exact spot where, according to Dr. Beevor, extension of the wrist is most represented, that is the anterior border of the upper limb region. This point is specially interesting to them, because they are in a position to show that extension of the wrist must precede every fine movement of the limb. This brings to a conclusion what he had to say of representation of movement. The facts referred to as being observed by Dr. Beevor and himself are in harmony with the facts observed by Prof. Schäfer and himself. There are minute points of difference due to the species of monkey employed. During the past two years they had employed but one species of monkey.

He would now speak of cortical epilepsy. Cortical epilepsy consists of several stages; of a preliminary aura, then a tonic stage, then a latent period, then the clonic stage, and then, finally, the stage of exhaustion or paralysis. For five years he has been making observations respecting the possibility of finding out which of these kinds of spasms in a muscle are due to the cortex cerebri alone. Here they must look upon the convulsion from two points of view. The connection between the cortex and the spinal system is, of course, brought about by the pyramidal tract. Now, obviously, if they investigate the convulsed muscles by the ordinary graphic method, they should obtain a tracing, the uprising of which indicated the tonic stage, then a pause and a fall; then little waves to indicate the clonic convulsions which succeeded the tonic stages. It might be thought the whole of these convulsions was due to the cortex. or the tonic stage to the cortex alone and the clonic to the spinal alone. Gotch and he had found it possible to tap the motor tract in the dorsal region and then to stimulate the cortex and measure with a very delicate electrometer changes in the pyramidal tract. The variations indicate the impulses coming down from the cortex streaming down the pyramidal tract. It is perfectly justifiable to assume that these variations exactly correspond with the nerve impulse. Of course, they know nothing of nerve energy