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Compensatory Eye Positions in Complete Torticollis in Rabbit.

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An albino rabbit showed drooping of the right ear, then developed torticollis, which progressed until the head and neck became twisted 90° to the vertical. The right eye was directed straight upward. In this head posture the position of both eyes were normal, no vertical deviation being present. But when the head was forcibly brought back into the normal posture, (the axis of the body remaining the same), the right eye rolled upward and the left eye downward. This reversal of the compensatory vertical eye positions is in striking contrast to the observations of Magnus¹ on unilaterally labyrinthectomized rabbits. When head and neck were allowed to assume their original posture, both eyes moved back into their normal positions.

Four weeks later the animal's head recovered its normal posture and both vertical and rotatory compensatory eye positions were found to be normal.

The cause of this remarkable disturbance was a tumor of the middle ear, which destroyed adjacent structures.

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Certain Characteristics of Formation of Conditioned Reflexes in Sheep.

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The defensive reaction evoked by the application of an electric shock to the sheep's foreleg is a convenient unconditioned reflex from which to develop various conditioned reflexes. Six lambs born in May, 1928, were, after about 18 days preliminary training in August, caused to develop auditory conditioned reflexes of the simultaneous type. That is, the auditory stimulus signalling an electric shock preceded the shock by a short, variable interval of 2

¹ Magnus, *Koerperstellung*, 1924, 166. Berlin.