

Demonstration of sodium and potassium conductance changes during a nerve action potential

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WE wish to report a new method with which we have been able to measure the sodium and potassium conductance changes postulated by Hodgkin and Huxley¹ in the course of a single action potential. To measure the membrane conductance at any desired time during the course of the action potential, we have designed a membrane potential control system which can be turned on and off quickly with an electronic switch. © 1970 Nature Publishing Group.