

Dr. N. D. GUNN said that clinically the action of tobacco was supposed to be principally upon the heart and he thought that Dr. Morrow should have investigated this point as well.

Dr. WYATT JOHNSTON asked concerning the occurrence of this sign in poisoning by other drugs; if this were not the case it might turn out to be a valuable physiological test for nicotine poisoning.

Dr. WESLEY MILLS expressed satisfaction that a paper of this kind had been brought before the society. It was the first instance in this country of such an application of the graphic method to the solution of a definite clinical problem.

Dr. F. J. SHEPHERD congratulated Dr. Morrow on having been able to verify his diagnosis by this method. Such a paper was most valuable to those outside of laboratory work from a practical standpoint.

Dr. W. F. HAMILTON asked if Dr. Morrow had considered the possibility of this respiratory symptom having been due to the influence of the poison upon the heart.

Dr. MORROW in replying to Dr. Gunn said that experimental evidence went to show that tobacco was a stimulant to the heart. He himself had seen the heart beating vigorously after death from respiratory failure in the rabbits poisoned with tobacco from which his diagrams were obtained.

To Dr. Hamilton he said that even if circulatory changes could cause some change in the respiration, they could not explain the failure of the respiratory centre to respond to stimulation through the pneumogastric nerves. He did not think the peculiar breathing he had observed could be explained through any change in the circulation.

He could not answer Dr. Johnston's questions as he was not sufficiently acquainted with the literature of other poisons.