

(4) It was definitely established that pyloric obstruction produces neither alkalosis nor a hypersecretion of gastric juice, provided that a proper balance is maintained in the animal's bodily output and intake of material.

(5) It was found that the splanchnic nerves are the secretory nerves for the mucus-producing elements of the gastric mucosa.

(6) By means of a combined histo-physiological investigation it was proved that the vagus exerts a true trophic effect on the pancreas in the cat.

Since January, 1932, thirteen papers have been published in different journals, and several are now in press or in the course of preparation.

Ten research students were attached to the laboratory during the session 1931-1932. Three of them (Dr. S. Baxter, Dr. D. R. Webster and Dr. S. A. Komarov) were full-time workers under the Rockefeller Experimental Surgery Scheme, and three others (Dr. A. Vineberg, Dr. G. Stavraky and Dr. J. Armour) were part-time workers. One student (Miss A. Alley) received a grant from the Banting Research Foundation. Three students (Dr. H. Baxter, Dr. C. J. Tidmarsh, and Mr. D. O. Hebb) were voluntary workers. One of our students (Dr. S. Baxter) received a Ph.D. degree in Physiology. Three others took courses towards the Ph.D. degree and one towards the M.Sc. degree, and continued their experimental work for their theses.