0.3 gram of thyroid extract every second day, the activity was maintained above that of the normal sheep but no sudden and pronounced increase was observed.

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Influence on the respiratory metabolism of pancreatic extract administered by mouth to depancreatized dogs.

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Extracts of beef pancreas prepared in the same manner[1] as extracts of dog's pancreas were prepared by Murlin and Kramer[2] in 1913-6 and administered by mouth to depancreatized dogs with glucose and NaOH in sufficient quantity to make the entire mixture N/20 NaOH produced in all of four trials distinct elevations of the respiratory quotients taken from two to four hours afterward. In two of the four trials the extract was concentrated and purified before administration and in both instances the rise in quotient was greater than when crude unconcentrated extract was given.

One of the experiments on a depancreatized dog is reproduced below.

Dog No. 40. Operated Nov. 28th, 1922.

Date.	Time.	CO_2	O_2	*RQ*
Dec. 1	12:40-1:35	2.943	4.271	0.689
	1:35-2:47	4.073	6.151	0.662
	2:47-3:48	3.330	4.799	0.694
Dec. 2	11:05-11:43	1.960	2.596	0.755
	11:43-12:13	1.578	1.959	0.721
	12:13-12:46	1.619	2.508	
	3:40 P.M.	Dog given 50 c.c conc. No. 87(2) extract in 300 c.c water + 20 gm. glucose + N/20 NaOH (final reaction).		
	4:53-5:23	1.497	2.854	0.757
	5:23-6:23	2.932	3.813	0.769
	6:23-7:41	3.966	4.479	0.885
	7:41-8:42	3.284	3.424	0.959

[1] Murlin, Kramer and Sweet, *Journ. Metabolic Research*, 1922, ii, 19.

[2] Murlin and Kramer, *Journ. of Biol. Chem.*, 1916, xxvii, 516.