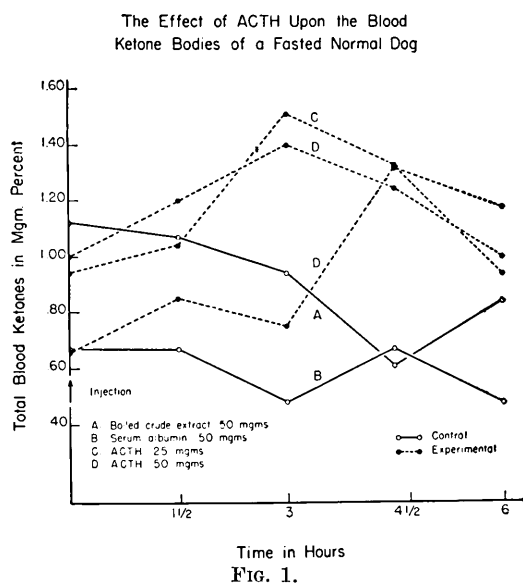




of Weichselbaum and Somogyi³ on 2 ml samples of blood. Blood was taken by veni-

puncture and in most instances the determination was done in duplicate.

Results. The data from the experiments are presented graphically in Fig. 1. It will be seen that in each case in which adrenocorticotrophic hormone was given there was an increase in ketonemia which reached its peak at either 3 or 4½ hours after injection and subsequently declined.

In neither of the control experiments was there a rise in the level of blood ketone bodies. Although the order of magnitude of the change was small it was a large percentage increase in view of the low initial levels. In view of the consistency of the response it was felt to be significant.

Conclusion. Adrenocorticotrophic hormone produced an increased ketonemia in a fasted normal dog.

³ Weichselbaum, T. E., and Somogyi, M., *J. Biol. Chem.*, 1941, **140**, 5.

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A Simple Method for Repeated Bone Marrow Aspirations in Rats.

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During the course of another investigation on the change in the hematopoietic tissues of the adult rat, it became necessary to develop a method for repeated bone marrow aspirations. Sawitsky¹ has perfected a technic for repeated bone marrow aspirations on the guinea pig which was a modification of the Sawitsky and Meyer² technic for bone marrow aspiration on cats. Vogel³ has recently

investigated the femoral bone marrow of adult rats, but was unable to obtain marrow without sacrifice of the animal; Cameron and Watson⁴ modified Vogel's technic so that repeated aspirations could be made. However, Cameron and Watson's technique requires a surgical incision. This paper will report a modification of the Sawitsky and Meyer technic adapted to rats.

Method. Twenty-six adult rats, (the first generation of a cross breeding of highly inbred Slonaker (Wistar) and Curtis Dunning rats), weighing approximately 200 g were used.

The animals were anesthetized with sufficient nembutal to produce surgical anesthesia of 20-30 minutes duration. The animal was

* National Cancer Institute Post Doctorate Research Fellow.

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¹ Sawitsky, A., and Meyer, L. M., *Blood*, 1948, **3**, 1050.

² Sawitsky, A., and Meyer, L. M., *J. L. and Clin. Med.*, 1947, **32**, 70.

³ Vogel, M., *Am. J. Med. Science*, 1947, **213**, 456.

⁴ Cameron, D. G., and Watson, G. M., *Blood*, 1948, **3**, 292-4.

