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**The influence of the anterior lobe of the pituitary body upon the growth of carcinomata. (Preliminary Communication.)**

By **T. BRAILSFORD ROBERTSON** and **THEODORE C. BURNETT**.

[*From the Rudolph Spreckels Physiological Laboratory of the University of California.*]

We have found that the administration of aqueous emulsions of the anterior lobe of the ox-pituitary, in doses of 0.5 grammes of fresh glandular tissue at intervals of two or three days, either directly into the tumor or hypodermically elsewhere, leads to a very marked increase in the rate of growth of the primary tumor in rats inoculated with the Flexner-Jobling carcinoma. The growth of small tumors is accelerated relatively more than that of large tumors.

This acceleration is only evidenced, however, at a certain stage in the growth of the tumor, subsequent to the twentieth day succeeding inoculations. The administrations do not enhance the tendency of the tumors to metastasize.

Liver-emulsion, similarly prepared and administered, does not cause any acceleration of the growth of carcinomata in rats.

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**Cholesterol atheroma in rabbits.**

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The experiments of Ignatowski and Chalutow in which they produced atheroma of the aorta by feeding rabbits on egg yolk or pure cholesterol have been repeated. Each of a series of rabbits was given the yolk of one egg daily mixed with its ordinary food. Other rabbits received daily from 0.2 to 0.5 gm. of pure cholesterol dissolved in cotton seed oil, mixed with their regular food. Three rabbits have thus far come to autopsy: one which had been on an