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Production of Bacterial Growth Stimulants by Heating the Medium Under Pressure.

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Fulmer and Huesselmann¹ showed the production of yeast growth stimulant by sterilizing sucrose in the presence of ammonium chloride, dipotassium phosphate and a mixture of the 2 salts. Similar results here are recorded for the following bacteria: *Aerobacter faeni*, *Escherichia freundii*, *Actinomyces* Sp?, *A. aerogenes*, *Serratia Marcescens*, *Esch. coli*, and *Bacillus subtilis*. The first 4 named were considerably more stimulated than the last 3. Treatment of the caramalized media with Norite A removed the coloring matter but not the stimulant. The stimulation took place at any pH value through the viable range. The results are especially interesting in view of the recent report by Lewis² that the growth of several bacteria studied by him was inhibited by caramalization of the medium in the presence of nitrogenous compounds.

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Demonstration of Presence of Fowl Pox Virus in Wild Caught Mosquitoes (*Culex Pipiens*).

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Kligler, Muckenfuss and Rivers¹ have shown that fowl pox could be transmitted experimentally by culex and stegomyia mosquitoes when fed on lesions of fowl pox infected chickens, either by interrupted or successive feeding. They also showed that when culex were liberated in a box containing healthy and infected chickens, the healthy chickens soon developed a fowl pox infection. Kligler

¹ Fulmer, E. I., and Huesselmann, B., *Iowa State Coll. J. Sci.*, 1927, **1**, 411.

² Lewis, I. M., *J. Bact.*, 1930, **19**, 423.

¹ Kligler, I. J., Muckenfuss, R. S., and Rivers, T. M., *PROC. SOC. EXP. BIOL. AND MED.*, 1928, **26**, 128; *J. Exp. Med.*, 1929, **49**, 649.