

23. "On the absence of a cane sugar inverting enzyme in the stomach": GRAHAM LUSK.

It was shown by Professor Lusk that free hydrochloric acid and not an enzyme caused the inversion of cane sugar in the stomach.

24. "A new head holder for rabbits," with demonstration: FREDERIC S. LEE.

Professor Lee described and demonstrated the use of a head holder, devised by Mr. John T. Hoyt, showing a new universal clamping device.

25. "The action of potassium cyanid upon the unfertilized egg" (review): HOLMES C. JACKSON.

Loeb and Lewis were the first to note the fact that unfertilized eggs (of the sea-urchin), when placed in $n/1000$ KCN solution, retain their capability of fertilization much longer than when suspended in normal sea water. This was ascribed to the action of the KCN in inhibiting intracellular autolytic processes which lead normally to maturation and finally death. The bactericidal action of KCN was excluded, as the result of experiments in which eggs apparently died as rapidly in sterile as in putrid sea water.

Gorham and Tower's experiments in the same connection indicated, on the other hand, that the effect of KCN was entirely bactericidal. The sterile eggs retained their capacity for fertilization longer under absolutely sterile conditions than when placed in $n/1000$ KCN.

As the matter now stands there are two almost identical series of sterilization experiments by two pairs of investigators, with results diametrically opposed to each other. Critically considered, the more carefully conducted experiments seem to be those by Gorham and Tower; and in the lack of further evidence in favor of an intracellular action of KCN in this connection, we must conclude that the destruction of the bacteria by the KCN removes the condition which causes the death of the cell, and in the absence of which the eggs retain their potential power for growth after fertilization.

26. Results of recent investigations in proteid chemistry (review): PHOEBUS A. LEVENE.

Recent work on the chemistry of the proteid molecule has furnished explanation of many biological phenomena. Thus in