ABSTRACTS FROM THE ORIGINAL PAPERS.

*On the Enzymes contained in the Sap
of Ficus retusa.*

By Syôsuke TANAKA.

(Received, Oct 21, 1925.)

As a result of my experiments the sap of *Ficus retusa* contains two kinds of enzymes :— the oxidising and the proteolytic enzymes. Among the oxidising enzymes there have been qualified ; oxidase, peroxidase and katalase ; and the proteolytic ones contained, besides the coagulating enzyme, an enzyme like trypsin which acts upon proteins and decomposes it into peptone or albumose and finally converts them to amino compounds, in acid as well as in alkaline solutions.

*Vitamin-B Requirement of Different
Kinds of Yeast.*

By Raizo YAMAMOTO.

(Received, Oct 15, 1925.)

I. The author carried out a series of experiments to see whether there are some chemically defined substances besides vitamin-B or Bios, which accelerate the growth of yeasts. The substances tested were as follows :—

chlorophyll-a, chlorophyll-b, haemoglobin, haemin, quercetin, myricitrin, flavon of green tea, colouring matter of the cocoon of *anthraea yamamai*, tannic acid, gallic acid, pyrogalllic acid, phloroglucin, vanillin, pyrrol, pyridin, quino-