

SUMMARY.

1. Vomiting induced by the action of a local emetic like mustard is prevented by division of the vagi.
2. Stimulation of the central ends of the vagal branches to the stomach causes reflex flow of saliva and vomiting.
3. Experiments so far performed indicate that the excitation causing vomiting is conveyed to the medulla by the *a* group of rootlets.
4. I have been unable to demonstrate that the splanchnics transmit sensory impulses of any kind from the gastric mucosa.

It gives me pleasure to thank Professor Brodie for his very kind supervision of this work.