

# TABLE OF CONTENTS.

---

|   | PAGE |
|---|------|
| INTRODUCTION, . . . . .   | 1    |
| I. STUDY OF THE STRUCTURE OF VARIOUS DEEP-SEA MOLLUSCA, . . . . . | 3    |
| i. Gastropoda, . . . . .  | 3    |
| 1. <i>Guivillea alabastrina</i> , . . . . .                       | 3    |
| 2. <i>Trochus infundibulum</i> , . . . . .                        | 5    |
| 3. <i>Trochus rhina</i> , . . . . .                               | 5    |
| 4. <i>Turbo transenna</i> , . . . . .                             | 6    |
| 5. <i>Pleurotoma lepta</i> , . . . . .                            | 7    |
| 6. <i>Pleurotoma brychia</i> , . . . . .                          | 7    |
| 7. <i>Fossarus</i> (?) <i>cereus</i> , . . . . .                  | 8    |
| 8. <i>Puncturella brychia</i> , . . . . .                         | 8    |
| ii. Pelecypoda, . . . . .   | 8    |
| 1. <i>Malletia pallida</i> , . . . . .                            | 8    |
| 2. <i>Yoldia isonota</i> , . . . . .                              | 11   |
| 3. <i>Limopsis minuta</i> , . . . . .                             | 12   |
| 4. <i>Limopsis pelagica</i> , . . . . .                           | 12   |
| 5. <i>Limopsis lata</i> , . . . . .                               | 12   |
| 6. <i>Arca pterocessa</i> , . . . . .                             | 12   |
| 7. <i>Pecten philippii</i> , . . . . .                            | 12   |
| 8. <i>Pecten subhyalinus</i> , . . . . .                          | 12   |
| 9. <i>Pecten vitreus</i> , . . . . .                              | 12   |
| 10. <i>Amusium lucidum</i> , . . . . .                            | 13   |
| 11. <i>Amusium meridionale</i> , . . . . .                        | 13   |
| 12. <i>Myrina coppingeri</i> , . . . . .                          | 13   |
| 13. <i>Venus mesodesma</i> , . . . . .                            | 13   |
| 14. " <i>Cryptodon</i> " <i>moseleyi</i> , . . . . .              | 13   |
| 15. " <i>Cryptodon</i> " <i>luzonicus</i> , . . . . .             | 15   |
| 16. <i>Semele profundorum</i> , . . . . .                         | 16   |
| 17. <i>Semele longicallus</i> , . . . . .                         | 16   |
| 18. <i>Lyonsiella jeffreysi</i> , . . . . .                       | 17   |
| 19. <i>Lyonsiella papyracea</i> , . . . . .                       | 18   |