

CONTENTS.

	PAGE
I. HISTORICAL INTRODUCTION,	281
II. THE DIVERSITY OF THE PHOSPHORESCENT ORGANS,	283
III. SPECIAL DESCRIPTION OF THE DIFFERENT KINDS OF PHOSPHORESCENT ORGANS,	285
A. REGULAR OCCELLAR ORGANS,	285
1. Simple ocellar organs without pigment coat, sunk in the body,	285
a. Distribution,	285
b. Structure,	286
c. Innervation,	287
d. Function,	287
e. Development,	288
2. Simple ocellar organs with pigment coat, sunk in the body,	289
a. Distribution,	289
b. Structure,	289
c. Innervation,	291
d. Function,	291
e. Development,	292
3. Composite ocellar organs without reflector,	292
a. Distribution,	292
b. Structure,	293
c. Innervation,	298
d. Function,	299
e. Development,	300
4. Composite ocellar organs with special reflector,	300
a. Distribution,	300
b. Structure,	301
a. General,	301
(1) <i>The organs of Gonostoma</i> ,	302
(2) <i>The dorsal organs or "stern-chasers" of Scopelus</i> ,	302
(3) <i>The groups of lateral organs in Argyropelecus and Sternopyx</i> ,	303
(4) <i>The ventral rows of Argyropelecus and Sternopyx</i> ,	303
b. Histology,	303
c. Innervation,	306
d. Function,	306
e. Development,	307