

C O N T E N T S

	Page
introduction	1
The morphology of the pectoralis in the lizard, bird and bat and its relation with other fore-limb muscles	4
The comparative histology of the breast and the leg muscles of the lizard (Calotes), bird (Columba) and bat (Rousettus)	16
The lipid and glycogen contents and their reduction in the flight muscle and liver of some birds and a bat during the sustained activity of the former	27
The oxygen uptake and the carbon dioxide output of the pectoral muscle fibres of the fowl, pigeon and bat	44
Evolution of flight in bird and bat	51
Summary	59
Bibliography	66