

CONTENTS

PART I

The Leading Theories of Coral Reefs

CHAPTER	PAGE
INTRODUCTION	I
I THE OBSERVABLE FEATURES OF CORAL REEFS	5
II DARWIN'S THEORY OF UPGROWING REEFS ON INTERMITTENTLY SUBSIDING FOUNDATIONS	22
III EXTENSIONS OF DARWIN'S THEORY	41
IV ALTERNATIVE THEORIES OF CORAL REEFS	58
V THE GLACIAL-CONTROL THEORY OF CORAL REEFS	89
VI THE THEORY OF THE MARGINAL BELTS OF THE CORAL SEAS	121

PART II

The Facts of the Coral Reef Problem

VII THE ISLANDS AND BANKS OF THE COOLER SEAS	142
VIII THE MARGINAL BELTS OF THE CORAL SEAS	166
IX REEFLESS COASTS IN THE CORAL SEAS	220
X REEFLESS YOUNG VOLCANIC ISLANDS IN THE CORAL SEAS	234
XI VOLCANIC ISLANDS WITH PLUNGING CLIFFS AND EMBAYED SHORE LINES, WITH OR WITHOUT BARRIER REEFS	248
XII EMBAYED, FRINGING-REEF ISLANDS WITHOUT PLUNGING CLIFFS OR BARRIER REEFS	277
XIII EMBAYED, NON-CLIFFED ISLANDS WITH BARRIER REEFS	283
XIV THE SMALL ISLANDS OF ALMOST-ATOLLS	375
XV ELEVATED FRINGING AND BARRIER REEFS	383
XVI ELEVATED ALMOST-ATOLLS AND ATOLLS	412
XVII SUBMERGED REEFS AND BANKS IN THE CORAL SEAS	473
XVIII THE FEATURES OF SEA-LEVEL ATOLLS	511
XIX REVIEW OF CONCLUSIONS DRAWN FROM THE PRECEDING CHAPTERS	535