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New Taxonomy"; "Chapter 4"; "Origin and Structure of Coral Reefs";
 "Hypotheses on Reef Formation"
 "James Dana: Structure and Classification of Zoophytes""The Polyp
 Defined: Cnidarian Phylum "Coelenterate"""; "Chapter 6"; "Embryos,
 Archetypes and Evolution"; "Thomas Henry Huxley: Microscopy and
 the Polyp"; "Anatomy and Affinities of the Family of the Medusae";
 "Defence of Nature's Chain"; "Problem of the a€œArchetypea€?:
 Platonic Form or Taxonomic Term?"; "Increasing Speculation:
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 in England"; "Science and the a€œOrigin of Speciesa€?"; "Immovable
 Objects or Irresistible Forces?"; "Chapter 7"
 "Darwinism: The New Driving Force in Biology""Das Urbild: The
 Ultimate Ancestor"; "Embryology and the Origin: The Coelenterate
 Foundation of Life"; "Ecology: Haeckel's Enduring Contribution";
 "The Marine Research Station: Concept and Gestation, 1859a€?1871";
 "La Stazione Zoologica di Napoli: Foundation and Influence"; "French
 Chauvinism: Resistance to European Cooperation"; "Chapter 8"; "Reef
 Construction and Symbionts"; "A Radical Taxonomy of Invertebrates";
 "Coral Reefs and Madrepores: The Search for Definition"; "The
 Recognition of a€œReefa€? Identity"
 "Animal Life in the Marine Environment"

Sommario/riassunto

On 4 June 1629, the Batavia, pride of the Dutch East India Company Fleet, was wrecked on her maiden voyage in a seemingly empty expanse of the Indian Ocean. The question "how did this happen?" led to 300 years of investigation by those curious to solve the enigma: what are corals, and how are coral reefs formed? Relying heavily on primary source material Part 1 traces the sequential evolution of scientific thought and practice as the author explores the way this evolution is reflected in the search for understanding corals. At each stage, answers lead to fresh questions that challenge investigators to solve the riddle, and new branches of science emerge. Then, with the first enigma finally understood, a new enigma arose. Why are Reefs dying? Part 2 traces the range of problems that have emerged in the past 50 years as marine, ecological, reef and climate scientists attempt to put the pieces of the jigsaw together. Is there a new "canary in the coal mine" warning of the fate of the world as we know it if man's impact on his environment continues unchecked?