Table of contents

7 Acknowledgements

| 9 | Foreword E Gísli Pálsson | |
|---|---|----|
| 1 | Introduction Hélène Artaud, Alix Levain, Frédérique Chlous & Émilie Mariat-Roy | |
| | Rethinking the limits of knowledge on the concept of species Thinking about the limits of control over species Marine species: a means to construct human relationships | 17 |
| 3 | The Caulerpa and the Others: On the role of Anthropology in the Study of Biological Invasions : Sergio Dalla Bernardina | |
| | Portrait of a "killer" The role of ethnology | |
| | "Caulerpa is not a monster" | |
| | That which is the actual subject matter when speaking of "invasive" species | 30 |
| | Underlying logic | |
| | Conspiracy theories (bad and good proliferations) | |
| | Short inward reflexion | |
| | To describe or to suggest? To induce or to deduce? | |
| 9 | A Re-enchanted Sea? Representations of Marine Fauna in the Modern and contemporary Mediterranean : Daniel Faget | |
| | A frightening sea, populated by monstrous creatures (16th – mid-18th centuries) The devil in everyday life Science and popular representations Disappearance of a marine monster | 40 |
| | •• | 10 |

| | The epoch of noxious beasts (19th – 20th centuries) | |
|----|---|----|
| | The crystallisation of hatred | |
| | Destroying parasites Laboratory for an extermination policy? | |
| | Configurations of beasts | |
| | Period of ambiguity: The second half of the Twentieth Century (1950-2000) | |
| | Progress in marine exploration | |
| | The dolphin as "nature's ambassador" | 50 |
| | Perpetuation of the image of the marine beast | 51 |
| 55 | From Commercialised Species to Smuggled Object Red Coral in Algeria : Tarik Dahou | |
| | From an object of commodity "rush" to a means for population settlement | 56 |
| | Coral exploitation concessions and conservation | |
| | The rationalities of coral smuggling | |
| | Conclusion | 70 |
| 73 | Whose Alien Is This? Knowledge Policies About Liminal Algae : Alix Levain | |
| | Some of the things we think we know about <i>Ulva</i> | |
| | Leaving the water and anonymity | |
| | Not from the sea, not from the land | |
| | Local knowledge about homeless species tends to be specific and meaningful | |
| | The politics in identifying <i>Ulvae</i> | |
| | The social neutralisation of the allochthony hypothesis | |
| | Knowledge policies as a distributed process for redefining identity | 84 |
| 87 | What Navigational Abilities are Made of A Multispecies Cognitivist Perspective : Anne Di Piazza | |
| | The birds: the navigator's companions | 89 |
| | 1873, a "scientific battle" in the journal Nature | |
| | 1873 again | |
| | Dead reckoning and the example of Micronesian navigators | 93 |
| | Kramer's "map-and-compass" model | 95 |
| | The compass component | 96 |
| | Star compass | |
| | Sun compass | 97 |

| | Magnetic compass Magnetoreception in humans | |
|-----|---|-------|
| | The map component | |
| | "Grid map" and "mosaic map" | |
| | Island charts | |
| | The neural basis of cognitive maps | 103 |
| | Conclusion | . 104 |
| 107 | The Making of Island Fauna and Protohistoric Maritime Transport Mediterranean Examples : Jean-Denis Vigne | |
| | Fauna and Mediterranean island biogeography: the mark of anthropisation | . 108 |
| | Anthrozoological decoding of Mediterranean island fauna | |
| | The main categories of species present and their interpretation | |
| | Do absences also have a meaning? | . 113 |
| | The making of island fauna and the protohistory of navigation | . 114 |
| | The heuristic power of "anecdotal history" | |
| | Brief summary of current knowledge on pre- and protohistoric navigation | |
| | Cypriot mice, early mastery of navigation and the birth of the "sea that brings together" The introduction of cattle in Cyprus: paradigm shift and protohistoric technological challenge | |
| | Conclusion | |
| 123 | Interspecific Affective work Insights from Dolphin-Human Interactions in Confined Environments : Véronique Servais | |
| | Introduction | . 123 |
| | Gene management: producing a dolphin | 124 |
| | Double binds and emotional detachment | . 125 |
| | Preserving the gene pool | |
| | What is a dolphin? Legitimacy and illegitimacy of the affected being | |
| | Everyday life with dolphins | |
| | Normativity of how to be affected Being with a dolphin: the intensity of the self in the relationship | |
| | An interpersonal self that is eager to learn | |
| | "Here we let the dolphins be themselves" | |
| | Conclusions | . 134 |
| | | |
| 137 | The Grey Seal, an Animal Without History(ies)? Research in Troubled Waters on a Rare Species in the Rise (Iroise Sea) | |
| | Émilie Mariat-Roy | |
| | The grey seal in Iroise: a relictual species remarkable for its presence-absence | . 138 |

| towards a reclassification of the species | 1/12 |
|--|---|
| • | 173 |
| | 149 |
| | |
| "Elephants do not have sea legs" Maritime Crossings in Colonial Stories of Animal Collection | |
| : Julien Bondaz | |
| Inverted travel stories | 162 |
| Material constraints and technical exploits | 165 |
| New Noah's Arks and animal biographies | 167 |
| I, Sargassum The negroby of Autistic Appropriations of Caugassum in the West Indias | |
| Florence Ménez | |
| - | |
| • | |
| • | |
| | |
| | |
| | |
| | |
| | |
| | |
| Species "good for thinking": Species "good to preserve"? The Paradox of Marine Species Co-management : Hélène Artaud | |
| Introduction | 193 |
| The cultural value of a species: | |
| | |
| | |
| | |
| The marine "cultural" species: a relational and dynamic composition. | |
| • | |
| | |
| | |
| | towards a reclassification of the species From one seal to another. Or when the ecological success of species conservation gives way to the "Seal Problem" in the Iroise Sea What more do we need to know about seals, for whom and for what? "Elephants do not have sea legs" Maritime Crossings in Colonial Stories of Animal Collection : Julien Bondaz Inverted travel stories Material constraints and technical exploits New Noah's Arks and animal biographies I, Sargassum The paradox of Artistic Appropriations of Sargassum in the West Indies : Florence Ménez The emergence of a new world An unexpected abundance Different writing tracks Narrating Sargassum through story dynamics Variations on Sargassum Aesthetic choices resulting from the Creolisation process Creation dynamics with the unpredictable Links Across Physical Boundaries Detours to deliver "a snapshot of the world as it turns" Conclusion Species "good for thinking": Species "good to preserve"? The Paradox of Marine Species Co-management : Hélène Artaud Introduction The cultural value of a species: An incomplete application of anthropology's contributions Coupling ecological and cultural values: applying it to a species Lévi-Straussian echoes in conservation: species "good for thinking" An incomplete application: Lévi-Strauss and the totemic species The marine "cultural" species: a relational and dynamic composition. The Mauritanian example Context and methodology Relationships as the basis of species: the manatee example |

| The "cultural" marine species: a conflicting and political composition. | |
|--|-----|
| The Guadeloupe example | 202 |
| Context and methodology | 202 |
| The political value of a marine species: the blind spot of co-management | 202 |
| The species: a responsive element | 203 |
| Conclusion | 204 |

207 **Postface**

A Book of Sea Species

: Stefan Helmreich

- 217 References
- 241 List of illustrations
- 245 List of contributors
- 249 Index