THE SURVIVAL OF EASTER ISLAND

In this book, Jan J. Boersema reconstructs the ecological and cultural history of Easter Island and critiques the hitherto accepted theory of the collapse of its civilization. The collapse theory, advanced most recently by Jared Diamond and Clive Ponting, is based on the documented overexploitation of natural resources, particularly woodlands, on which the culture of Easter Island depended. Deforestation is said to have led to erosion, followed by hunger, conflict, and economic and cultural collapse. Drawing on scientific data and historical sources, including the shipping journals of the Dutch merchant who was the first European to visit the island in 1722, Boersema shows that deforestation did not in fact jeopardize food production or lead to starvation and violence. On the basis of historical and scientific evidence, Boersema demonstrates how the society of Easter Island has responded to cultural and environmental change over the course of its turbulent history.

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The Survival of Easter Island

Dwindling Resources and Cultural Resilience

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Translated by Diane Webb
The survival of Easter Island: dwindling resources and cultural resilience

Jan J. Boersema

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Los Hombres
Yo soy el peregrino
de Isla de Pascua, el caballero
extraño, vengo a golpear las puertas del silencio …

Men
I am the pilgrim
of Easter Island, the strange
knight, come to knock on the doors of silence …

Pablo Neruda
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Timeline

c. 300,000 BC The island takes on its present shape through the coalescence of three volcanoes.
AD 1000–1200 Polynesian settlers reach the uninhabited island.
c. 1100 First settlement at Anakena appears.
1100–1250 Settlement and construction (Phase I) are under way; the statue cult begins; and traces of the felling and burning of trees from this period can be found.
1250–1550 The golden age (Phase II) occurs; the statue cult reaches its peak; deforestation gradually takes place.
c. 1550 Deep-sea fish disappear from the islanders’ diet, owing to the lack of seaworthy canoes.
1550–1722 Natural resources dwindle (Phase III); the birdman cult arises.
c. 1650 The forests vanish completely; the statue cult gradually disappears.
1722–c. 1800 The historical era (Phase IV) occurs; four great European expeditions call at Easter Island.
1722 On Easter Sunday, 5 April, the members of the Dutch expedition led by Jacob Roggeveen first sight the island and name it Easter Island.
1770 The Spanish arrive under the command of Don Felipe González de Haedo.
1774 The English arrive under the command of James Cook; the first artefacts find their way to Western museums.
1786 The French arrive under the command of Jean-François de Galaup, comte de Lapérouse.
Timeline

- **c. 1800–1862/63**: The dark era (Phase V) occurs; the islanders barter with food, and transients provoke several bloody incidents.
- **1862/1863**: Peruvian slave traders raid the island.
- **1864**: The missionary Eugène Eyraud becomes the first foreign resident on the island; repatriated Easter Islanders expose the remaining inhabitants to fatal viruses.
- **1864–1967**: A turbulent period (Phase VI) ensues; Easter Island is renamed Rapa Nui; its inhabitants are baptized into the Catholic Church; and anthropologists come to study the island.
- **1877**: Alphonse Pinart counts 110 inhabitants; the birdman cult ends.
- **1888**: Easter Island is annexed to Chile.
- **1947**: Thor Heyerdahl sails on the *Kon-Tiki* from South America to Polynesia.
- **1967–present**: The contemporary age (Phase VII) dawns, marked by the construction of the landing strip at Mataveri.
- **1972**: A report published by the Club of Rome points out the threat posed to society by the overexploitation of natural resources.
- **1974**: Bill Mulloy publishes the first collapse story about Easter Island.
- **2010–15**: Relations with Chile remain strained; plans to build a casino and a prison spark protests; and a limited form of self-government is established.
- **2015**: Easter Island has a population of approximately 6,000; more than 80,000 tourists visit it every year.
MAP 1. Geography of Easter Island as it appears in this book.
MAP 2. Route taken by the three ships belonging to the expedition led by Jacob Roggeveen. Archief van het Zeeuws Genootschap der Wetenschappen, 1911.
Acknowledgments

Let me begin with a word of thanks to the island and its inhabitants, among whom I spent a number of weeks in the autumn of 2007. I thank my host, René Pakarati Icka, and his partner, Tonia Mahoney Pate, for their generous hospitality as well as for taking me on tours of the island and providing me with a wealth of information.

My working life at the University of Leiden and VU University, Amsterdam, has always been characterized by a series of short projects that take up whatever time I have left after my academic duties. Since most of these jobs are pleasant as well as useful, any long-terms projects I may be contemplating are usually relegated to the sidelines. Hence the advice given to me by my wife, Anthonia: ‘If you want to write that book about Easter Island, you’ll have to go someplace else to do it.’ Fortunately, I was able to follow her advice with the endorsement and support of the university. In 2009 and 2010, I spent four months as a visiting professor at the University of East Anglia in Norwich and more than six months as a visiting Fellow at St Edmund’s College, Cambridge. It was a wonderful experience, and during that productive time the foundation was laid for Beelden van Paaseiland, the Dutch version of this book, which was published in April 2011 by Atlas Publishers in Amsterdam.

The book appeared just in time for me to take it along, in May of that year, to a conference in New York, where I showed it to Beatrice Rehl of Cambridge University Press. Beatrice had supervised the publication of Questioning Collapse, so she and Cambridge seemed ideally suited to producing an English version of my book. Luckily, Beatrice showed an interest, and the Dutch version received favourable reviews, so after acquiring the rights and finding sufficient funding, Cambridge invited Diane Webb to do the translation. A writer can only be extremely grateful for having...
such competent, attentive and pleasant people to work with. I am also
greatly indebted to the Dutch Foundation for Literature and the Institute
for Environmental Studies (IVM) for their financial support.

I would also like to thank everyone who has helped me since the pub-
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an inspiring ‘Roggeveen hike’ through Middelburg, and I had informative
and fascinating talks with Roelof van Gelder, Jacob Roggeveen’s biogra-
pher. Herman de Swart was unflagging in his efforts to draw my attention
to the more obscure speleological literature about the island. Paul Bahn
read the English translation and kept me from making numerous small
errors. He does not agree with every aspect of my reconstruction, but is
happy to see it published, because, as he said, ‘life would be very dull if we
all wrote the same things and came to the same conclusions from the poor
and patchy evidence available to us all’.

The collapse theory, as formulated by Jared Diamond, was no longer
defended at the international conferences of the Easter Island Foundation
held in July 2012 in Santa Rosa, California, and in November 2012 at the
Royal Museums of Art and History in Brussels. So far, however, no one
has been able to come up with a plausible scenario of what really hap-
pened: no sooner is one riddle solved than another one crops up. Easter
Island continues to stymie researchers.

I hope that my readers appreciate the results of my efforts to piece
together the puzzle that is Easter Island. If not, the blame rests squarely on
my shoulders and not on those of the people mentioned above.