

CAMBRIDGE LIBRARY COLLECTION

Books of enduring scholarly value

Maritime Exploration

This series includes accounts, by eye-witnesses and contemporaries, of voyages by Europeans to the Americas, Asia, Australasia and the Pacific during the colonial period. Driven by the military and commercial interests of powers including Britain, France and the Netherlands, particularly the East India Companies, these expeditions brought back a wealth of information on climate, natural resources, topography, and distant civilisations. Their detailed observations provide fascinating historical data for climatologists, ecologists and anthropologists, and the accounts of the mariners' experiences on their long and dangerous voyages are full of human interest.

Narrative of the Circumnavigation of the Globe by the Austrian Frigate *Novara*

Joined by seven eminent natural scientists, including Karl von Scherzer (1821–1903), the Austrian naval expedition of 1857–9 was remarkable for its globe-spanning scale. During the course of the voyage, the naturalists collected an abundance of samples which contributed to several scientific discoveries, including the isolation of cocaine in its pure form. Some of the investigations also revolutionised knowledge in such fields as geology, oceanography, hydrography and geomagnetism, and are still being studied by modern-day researchers. Prepared by Scherzer and first published in English in 1861–2, this is a compelling three-volume account of the mission, remaining relevant to scholars interested in naval exploration and the history of science. Volume 3 includes notes on Sydney, Auckland, Tahiti, the coastal cities of South and Central America, and the journey back to Europe, as well as reflections by the author on the achievements of the expedition.



Cambridge University Press has long been a pioneer in the reissuing of out-of-print titles from its own backlist, producing digital reprints of books that are still sought after by scholars and students but could not be reprinted economically using traditional technology. The Cambridge Library Collection extends this activity to a wider range of books which are still of importance to researchers and professionals, either for the source material they contain, or as landmarks in the history of their academic discipline.

Drawing from the world-renowned collections in the Cambridge University Library and other partner libraries, and guided by the advice of experts in each subject area, Cambridge University Press is using state-of-the-art scanning machines in its own Printing House to capture the content of each book selected for inclusion. The files are processed to give a consistently clear, crisp image, and the books finished to the high quality standard for which the Press is recognised around the world. The latest print-on-demand technology ensures that the books will remain available indefinitely, and that orders for single or multiple copies can quickly be supplied.

The Cambridge Library Collection brings back to life books of enduring scholarly value (including out-of-copyright works originally issued by other publishers) across a wide range of disciplines in the humanities and social sciences and in science and technology.



Narrative of the Circumnavigation of the Globe by the Austrian Frigate *Novara*

Undertaken by Order of the Imperial Government, in the Years 1857, 1858, & 1859

VOLUME 3

KARL VON SCHERZER





CAMBRIDGE UNIVERSITY PRESS

Cambridge, New York, Melbourne, Madrid, Cape Town, Singapore, São Paolo, Delhi, Mexico City

Published in the United States of America by Cambridge University Press, New York

www.cambridge.org Information on this title: www.cambridge.org/9781108059770

© in this compilation Cambridge University Press 2013

This edition first published 1862 This digitally printed version 2013

ISBN 978-1-108-05977-0 Paperback

This book reproduces the text of the original edition. The content and language reflect the beliefs, practices and terminology of their time, and have not been updated.

Cambridge University Press wishes to make clear that the book, unless originally published by Cambridge, is not being republished by, in association or collaboration with, or with the endorsement or approval of, the original publisher or its successors in title.



THE

VOYAGE OF THE NOVARA.





NARRATIVE

OF THE

Circumnavigation of the Globe

BY THE AUSTRIAN FRIGATE

NOVARA,

(COMMODORE B. VON WULLERSTORF-URBAIR,)

Undertaken by Order of the Imperial Government,

IN THE YEARS 1857, 1858, & 1859,

UNDER THE IMMEDIATE AUSPICES OF HIS I. AND R. HIGHNESS

THE ARCHDUKE FERDINAND MAXIMILIAN,

COMMANDER-IN-CHIEF OF THE AUSTRIAN NAVY.

BY

DR. KARL SCHERZER,

MEMBER OF THE EXPEDITION, AUTHOR OF "TRAVELS IN CENTRAL AMERICA," ETC.

VOL. III.



LONDON:

SAUNDERS, OTLEY, AND CO., 66, BROOK STREET, HANOVER SQUARE. 1862.

[THE RIGHT OF TRANSLATION IS RESERVED.]



JOHN CHILDS AND SON, PRINTERS.



CONTENTS.

CHAPTER XVIII.

SYDNEY.

The politico-economical importance to England of her colonies.—Extraordinary growth of Sydney .- Public buildings .- Expeditions of discovery into the interior of Australia. - Scientific endeavours in Sydney. - Macleay's Seat at Elizabeth Bay.—Sir Daniel Cooper.—Rickety Dick.—Monument to La Pérouse at Botany Bay.—The Botanical Garden.—Journey by rail to Campbelton.—Camden Park.—German emigrants.—Wine cultivation in Australia. Odd Fellows' Lodge at Campbelton.—Appin.—Wulongong.—Mr. Hill.—The Aborigines.—Kangaroo hunting.—Coal mines in the Keira range.—An adventure in the woods.—Return to Sydney.—The Australian club.—Excursion up Hunter River as far as Ash Island.—" Nuggets."—The Novara in the dry dock at Cockatoo Island.—Reformation among the prisoners in the colony.— Serenade by the Germans in Sydney, in honour of the expedition.—Ball on board the frigate.—Political life in Sydney.—Excursion for craniological purposes to Cook River Bay, and Long Bay.-Intercourse with natives.-Wool growing.—Attempts to introduce the Llama and Alpaca from Bolivia.—The gold-fields of the colony of New South Wales.—Is Australia the youngest or oldest part of the globe?—The convict-system and transportation as a punishment.-Departure from Sydney.-Barrier Island.-Arrival at Huraka Gulf, New Zealand

CHAPTER XIX.

AUCKLAND.

Request preferred by the Colonial Government to have the coal-fields of the Drury District thoroughly examined by the geologists of the Novara.—Geographical remarks concerning New Zealand.—Auckland.—The Aborigines or Maori.—A Mass meeting.—Maori legends.—Manners and customs of the Aborigines.—The Meri-Meri.—Most important of the vegetable esculents of

1



iv Contents.

the Aborigines before the arrival of the Europeans.—Dr. Thomson's anthropological investigations.—Maori proverbs and poetry.—The present war and its origin.—The Maori king.—Decay of the native population and its supposed causes.—Advantages held out by New Zealand to European emigration.—Excursion to the Waiatarna valley.—Maori village of Oraki.—Kauri forests in the Manukau range.—Mr. Smith's farm in Titarangi.—St. John's College.—Intellectual activity in Auckland.—New Zealand silk.—Excursion to the coalfields of the Drury and Hunua Districts.—New Year's Eve at the Antipodes.—Dr. Hochstetter remains in New Zealand.—The Catholic mission in Auckland.—Two Maories take service as seamen on board the Novara.—Departure.—The results of the explorations of the geologist during his stay at the island.—Crossing the meridian of 180° from West to East.—The same day reckoned twice.—The sight of the islands of Tahiti and Eimeo.—Arrival in the harbour of Papeete

CHAPTER XX.

TAHITI.

State of the island at the close of last century.—The London Missionary Society and its emissaries.—Great mortality among the native population.—First arrival of Catholic Priests in Oceania.—French Protectorate and its consequences.—The Tahitian Parliament and Tahitian debaters.—William Howe.—Adam Kulczycki.—Scientific aims and achievements.—The Catholic mission.—

Pré Catalan and native dances.—Prisoners of war from New Caledonia.—Point Venus.—Guava-fields.—The fort of Fautáua.—Lake Waiiria.—Popular Féte at Faáa.—Ball given by the Governor.—Queen Pomáre.—Geographical notes on Tahiti and Einico.—Climate.—Vegetation.—The Kawa root, and the intoxicating drink produced from it.—Great expense of the French Stations in Oceania.—Projects of reform.—Results of English and French colonization.—Two Convicts.—Departure.—The Whaler Emily Morgan.—Attempt to fix the zero point of magnetic declination.—"Colique végétale."—A victim.—Pitcairn Island.—A fire-side tale of the tropical world.—An accident without ill results.—Humboldt's Current.—Arrival at Valparaiso

CHAPTER XXI.

VALPARAISO.

Importance of Chile for German emigration.—First impressions of Valparaiso.—
Stroll through the city.—Commercial relations of Chile with Australia and California.—Quebrada de Juan Gomez.—The roadstead.—The Old Quarter and Fort Rosario.—Cerro Algre.—Fire Companies.—Abadie's nursery-garden.—Campo Santo.—The German community and its club.—A compatriot festi-



Contents.

V PAGE

val in honour of the Novara.—Journey to Santiago de Chile.—University.—
National Museum.—Observatory.—Industrial and agricultural schools.—Professor Don Ignacio Domey Ko.—Audience of the President of the Republic.—
Don Manuel Montt and his political opponents.—Family life in Santiago.—
Excursion trip on the southern railroad.—Maipú Bridge.—Melepilla.—The
Hacienda of Las Esmeraldas.—Chilean hospitality.—Return to Valparaiso.—
Quillota.—The German colony in Valdivia.—Colonization in the Straits of
Magellan.—Ball at the Austrian Consul-general's in honour of the Novara.—
Extraordinary voyage of a damaged ship —Departure of the Novara.—Voyage
round Cape Horn.—The Falkland Islands.—The French corvette Eurydice.—
The Sargasso sea.—Encounter with a merchant-ship in the open ocean.—
Hopes disappointed and curiosity excited.—Passage through the Azores channel.—A vexatious calm

CHAPTER XXII.

AN OVERLAND JOURNEY FROM VALPARAISO TO GIBRALTAR, VIA THE ISTHMUS OF PANAMA.

Departure from Valparaiso.—Coquimbo.—Caldera.—Cobija.—Iquique.—Manufacture of saltpetre.—Arica.—Port d'Islay.—Medanos, or wandering sandhills.—Chola.—Pisco.—The Chiucha or Guano Islands.—Remarks respecting the Guano or Huanu beds.—Callao.—Lima.—Carrion crows, the principal street-scavengers.—Churches and Monasteries.—Hospitals.—Charitable institutions.-Medical College.-National Library.-Padre Vigil.-National Museum.—The Central Normal School.—Great lack of intellectual energy.—Ruins of Cajamarquilla.—Chorillos.—Temple to the Sun at Pachacamac.—River Rimac.—Amancaes.—The new prison.—Bull-fights.—State of society in Peru.—The Coca plant, and the latest scientific examination respecting its peculiar properties.—The China, or Peruvian-bark tree.—Departure from Lima.—Lambajeque.—Indian village of Iting.—Païta.—Island of La Plata.— Taboga Island.—Impression made by the intelligence of Humboldt's death.— Panama.—"Opposition" Line.—Immense traffic.—The Railway across the Isthmus.—Aspinwall.—Carthagena.—St. Thomas.—Voyage to Europe on board the R. M. S. Magdalena.—Falmouth.—Southampton.—London.—Rejoin the Novara at sea.—Arrival at Gibraltar .

CHAPTER XXIII.

FROM GIBRALTAR TO TRIESTE.

First circumstantial details of the War of 1859.—Alterations in Gibraltar since our previous visit.—Science and Warfare.—Voyage through the Mediterranean.—Messina.—The Novara taken in tow by the War-steamer Lucia.—Gravosa.—



vi Contents.

—Prese Pola.—	Ragusa.—Arrival of H. I. H. the Archduke Ferdinand Maximilian at Gravosa. —Presentation of the Staff.—Banquet on board the screw-corvette Dandolo.— Pola.—Roman Amphitheatre.—Porta Aurea.—Triumphal return to Trieste.— Retrospect of the achievements and general scientific results of the Expedi-													
tion.—C	Conclud	ling I	Rema	rks	•	•	•	•	. •	•	•	•	•	449
APPE	ndix	-Vol.	ii.	•	•	•	•	•-				•		461
Appe	ndix-	-Vol.	iii.		•		•	•	•	•	•			494
INDE	x.			•						•				519



LIST OF ILLUSTRATIONS.

VOL. III.

]	. Denizen	s of	an	Aus	tral	ian F	orest	•						•		PAGE 1
2	. Maori															93
3	. Native I	Fête	to	the (Gov	ernor	•							•		199
4	. The Las	so														280
5	. Station	on tl	he l	Pana	ma	Raily	way	•	•	•	•	•		•		337
6	. The Ans	triar	F	aole		_						_	_			449