RIVERS AND THEIR MYSTERIES. ILLUSTRATED

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649156498

Rivers and their mysteries. Illustrated by A. Hyatt Verrill

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd. Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

www.triestepublishing.com

A. HYATT VERRILL

RIVERS AND THEIR MYSTERIES. ILLUSTRATED

Trieste

RIVERS AND THEIR MYSTERIES

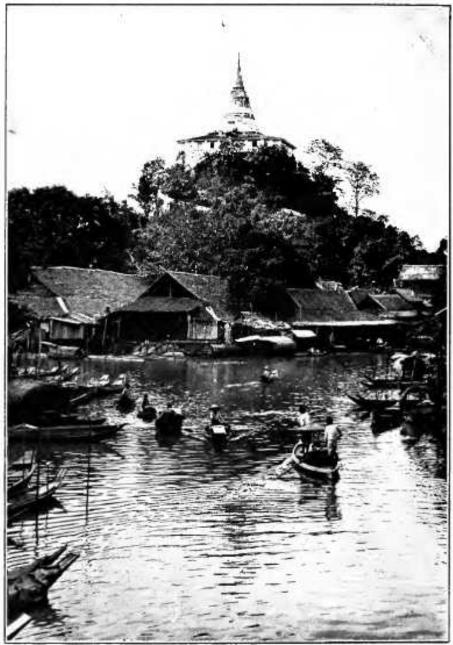


Photo by Underscood & Underscood

RIVER LIFE IN THE FAR EAST A scene on a canal near Bangkok in Siam.

RIVERS AND THEIR MYSTERIES

BY

A. HYATT VERRILL

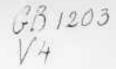
Author of "The Ocean and its Mysteries" "Islands and Their Mysteries"

ILLUSTRATED



NEW YORK DUFFIELD AND COMPANY

1922



CONTENTS

	TROD	UCTION					•			•		ix
I.	Тне	ROMAN	ICE	OF	R	IVE	RS			۲	×	I
	Rivers in mythology and story. Rivers of history. man first used rivers. How rivers aided mankind. tlements on rivers. Famous river towns.										How Set-	
п	Ho	W RIVE	RS A	RE	F	DRA	1ED	ñ.,				16

Sources of rivers. How rivers affect a country's character. Riverless countries. Why some lands are riverless and others not. Mountain rivers and plains rivers. Rapids and cataracts. Effect of strata on rivers. How rivers cut rock. How river islands are formed. Why rivers curve. How rivers make land. How rivers change their courses. How changes in land affect rivers. How rivers enrich land.

III. RIVER MOUTHS AND DELTAS . . . 48

How rivers form bars. Mouths of large and small rivers. How rivers affect the ocean and its shores. Swamps, marshes and mud flats. Estuaries and lagoons. How deltas are formed. Different kinds of deltas. Effect of changes on deltas. Effect of man's handiwork on deltas.

IV. RIVER LIFE 62

742

Species peculiar to rivers. Distribution of plant and animal life by rivers. Life on driftwood in a river. Life of the river bed. Life of the water. Life in rocky rivers. Life in sandy rivers. Different forms of life and vegetation at different parts of rivers. Life near the mouths of rivers. Ocean life in river mouths. Effect of rivers on marine life. River birds.

CONTENTS

CHAPTER

V. HOW RIVERS SERVE MAN 80

How man has altered rivers. Rivers as highways. River boats. How man has harnessed rivers. The first mills. Dams. Effect of dams on rivers. Logging, Power in cataracts. Rivers used for irrigation. Primitive irrigation. Irrigating deserts. Wealth in rivers. Placers. How rivers' wealth is recovered. How rivers aid prospectors.

PAGE

VI. SOME UNUSUAL RIVERS 103

Salt rivers. Tidal rivers. Mineral streams. Volcanic streams. Hot rivers. Rivers that have no outlet. Mysterious rivers. Underground rivers. A land where all rivers flow under the earth. Strange forms of life in underground rivers. Sink holes and caves. Glacial rivers.

Man made rivers. Why man has made artificial rivers. Canals. Aqueducts. Sewers. Countries where canals are essential. Locks and how they operate. Tide water canals. How boats navigate canals. Famous canals. The Panama Canal.

Near the head of the river. Life in the mountain stream. Rapids and falls. Following down the stream. Vegetation along the banks. The sandstone ravine. Meadows. An old mill. Following the river through the valley. Changes in life along the river. A lake on the river. A portage. The limestone and the story it tells. An ancient lake bed. The first town on the river. Mills and boats. Cities, railways and bridges. Tidewater. Salt marshes. The river port. The end of the trip.

CONTENTS

CHAPTER

PAGE

IX. A JOURNEY UP A TROPICAL RIVER . 156

Approaching the river from the sea. The river's mouth. Low shores, Islands in the river's mouth. Starting up the river. Birds along the shores. River boats. Mangrove swamps. Houses and clearings. Rocky islets and shores. The tide. At the limit of navigation. Strange birds and plants. Trees on stilts. Floods. Camp on an island. Life on the island. The first cataracts. Hauling through the fails. Vegetation on the ledges. Life on the rocks. In the heart of the jungle. Whirlpools. Shooting fish. Portaging. Dykes and falls. Gold and diamonds. The conglomerate. Discoveries. River reptiles. In the mountains. The cañon. The giant waterfall. On the high tabletand. Savannas. Tracing the river to its source. The river's source in the clouds.

X. IMPORTANT AND FAMOUS RIVERS . . 194

Comparative sizes of great rivers. Why great rivers have become famous. Some facts about the Amazon. The Mississippi. China's rivers of floating homes. India's sacred rivers. Rivers of Africa. Famous rivers of Europe. River worship.

